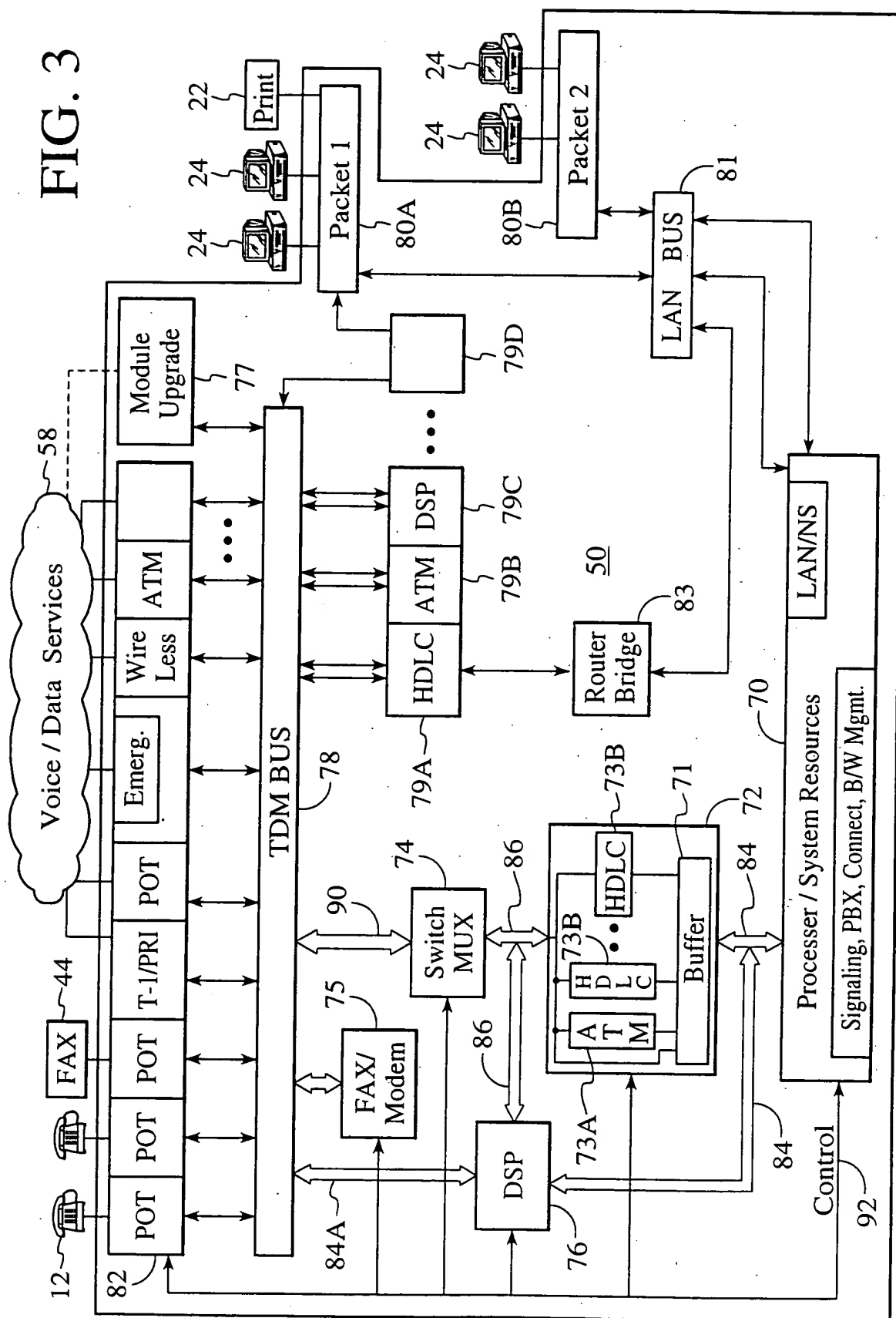


FIG. 3



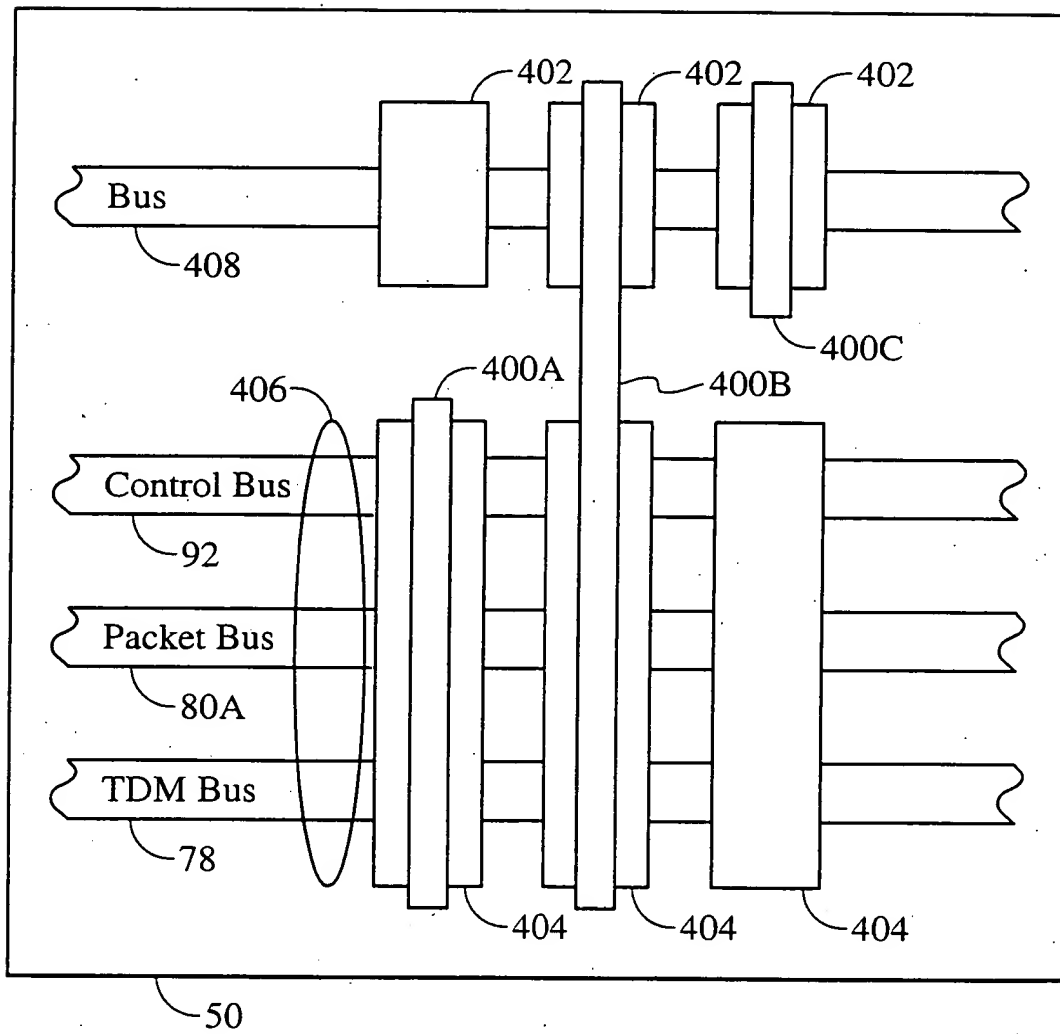


FIG. 3A

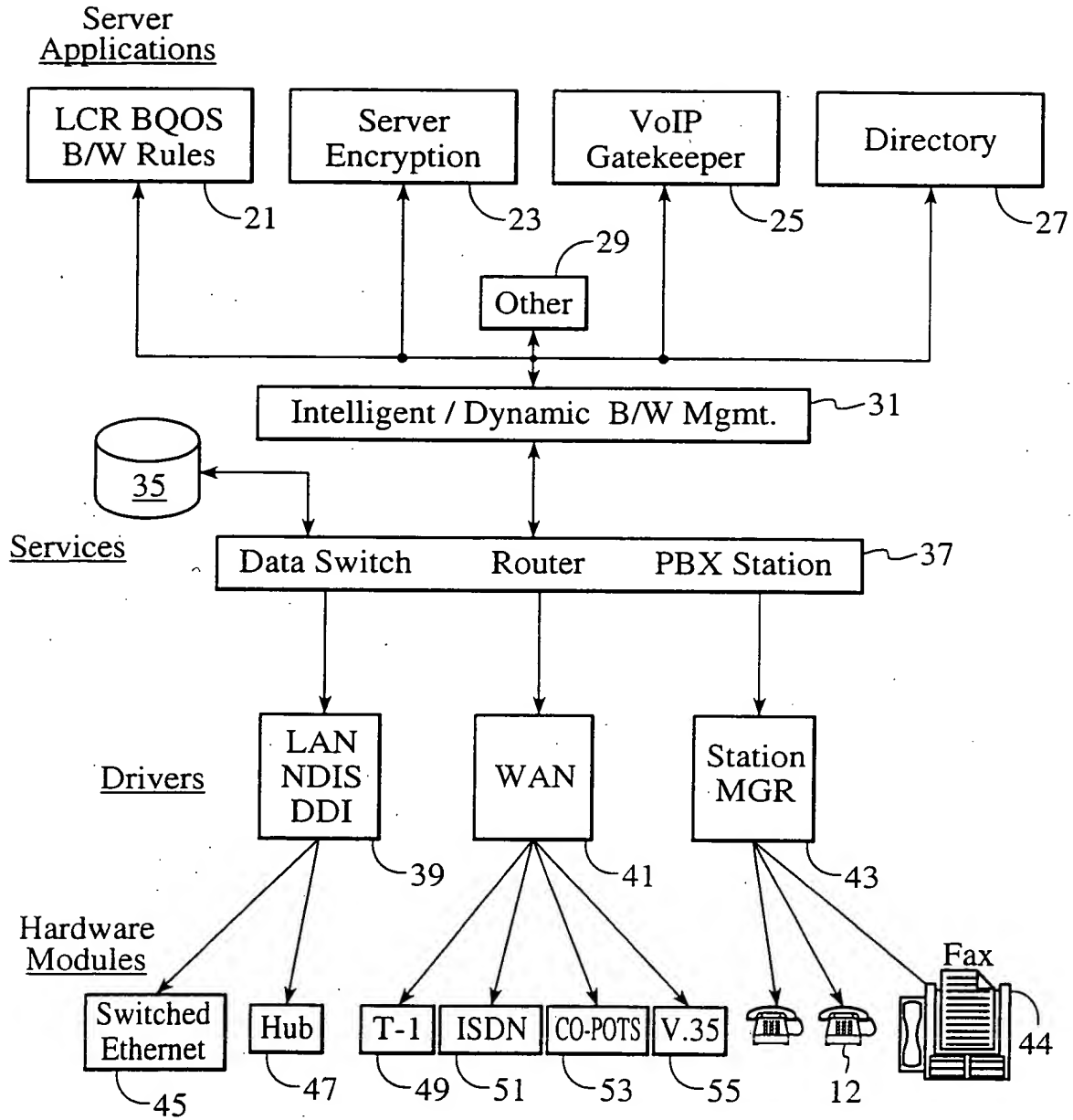


FIG. 4

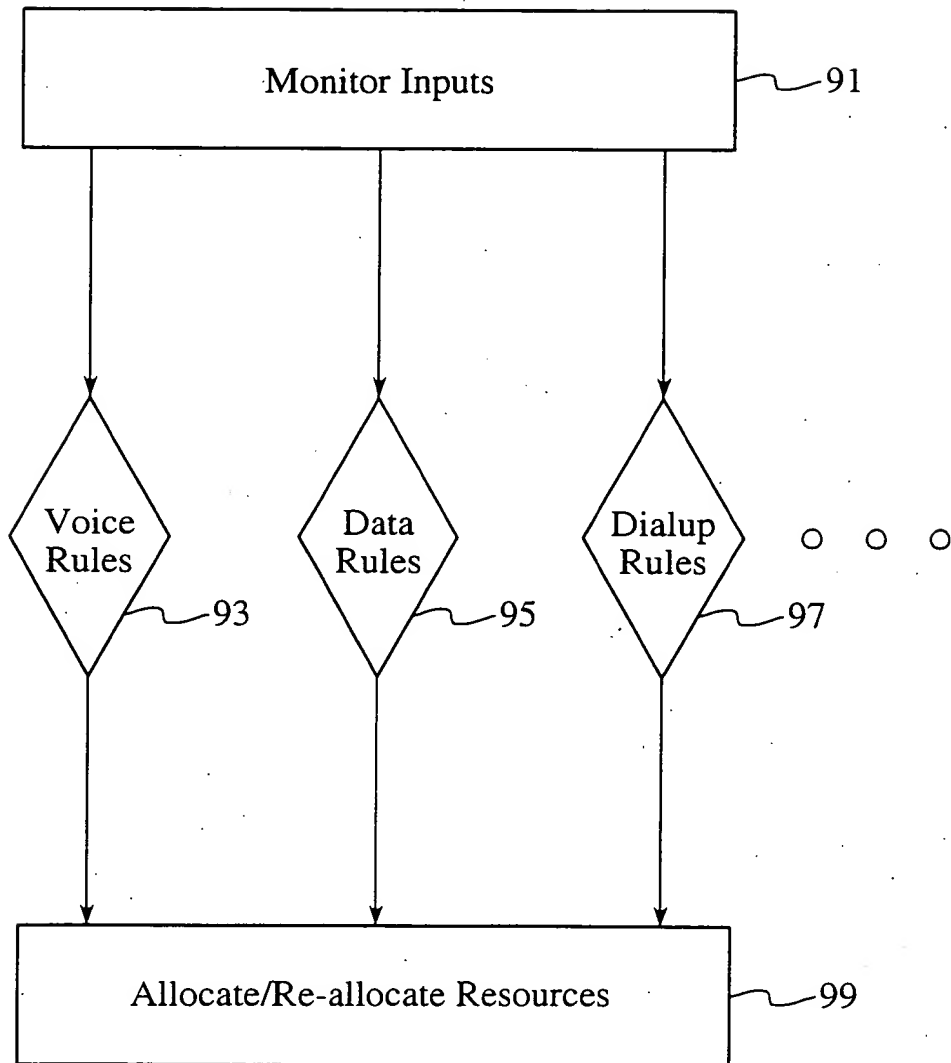


FIG. 5

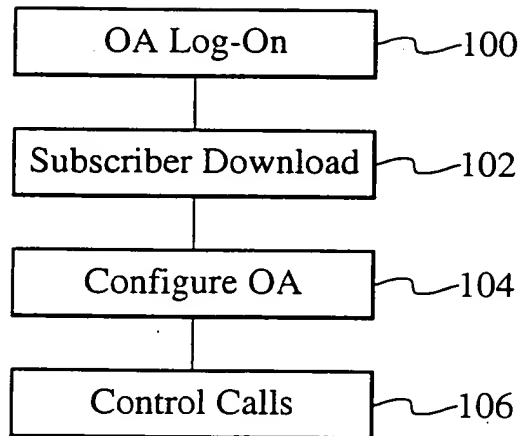


FIG. 6

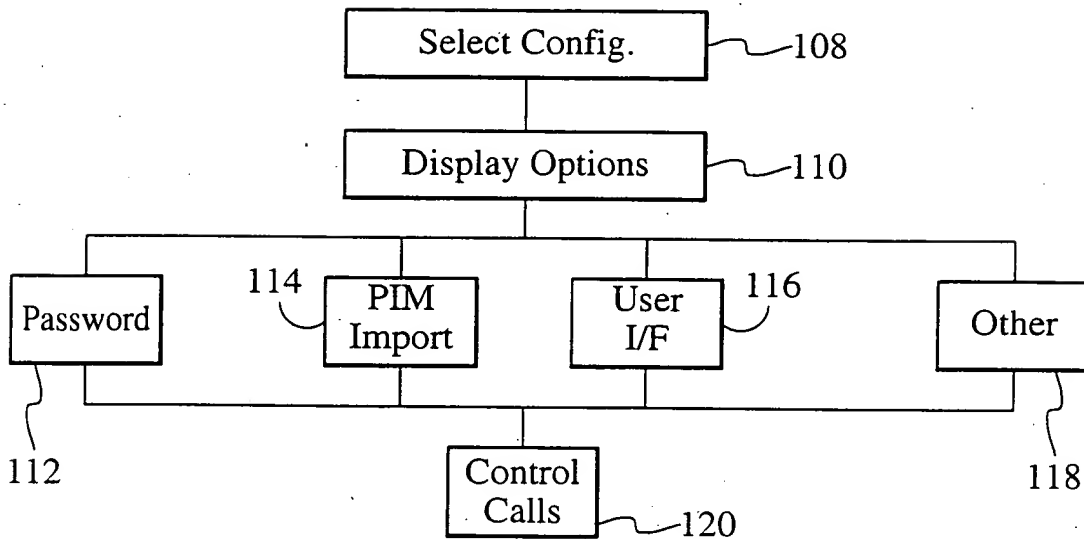


FIG. 7

FIG. 6

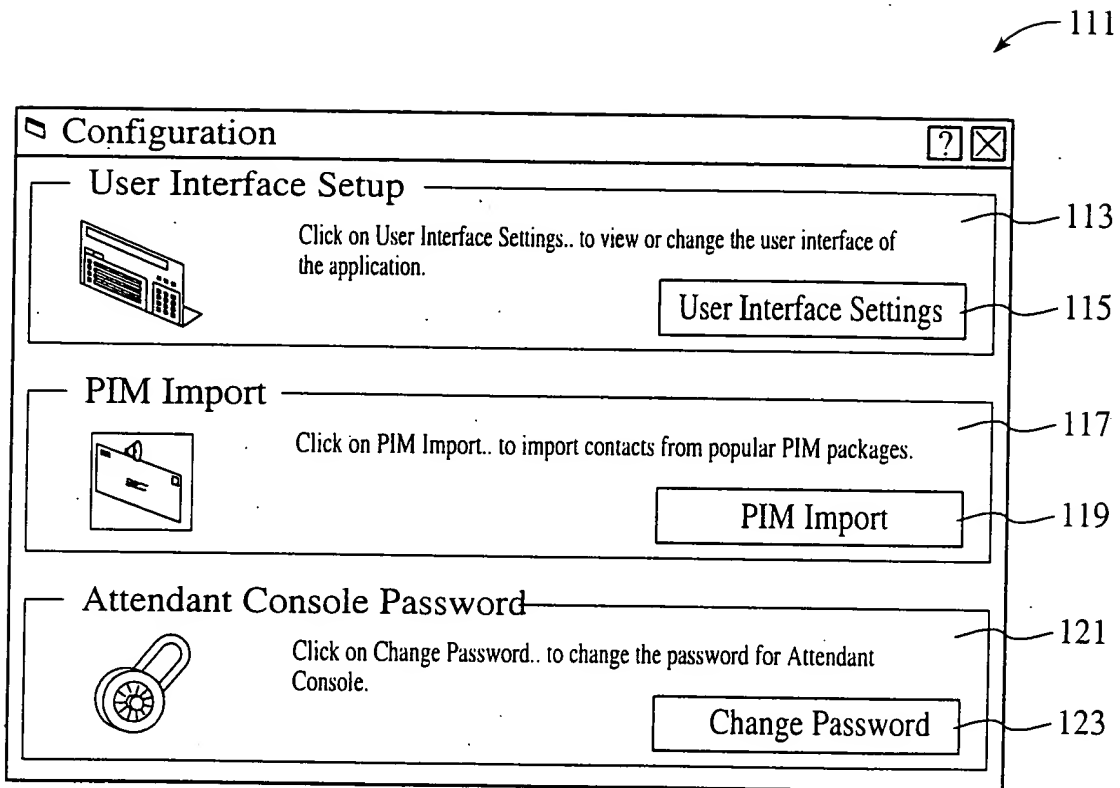


FIG. 7A

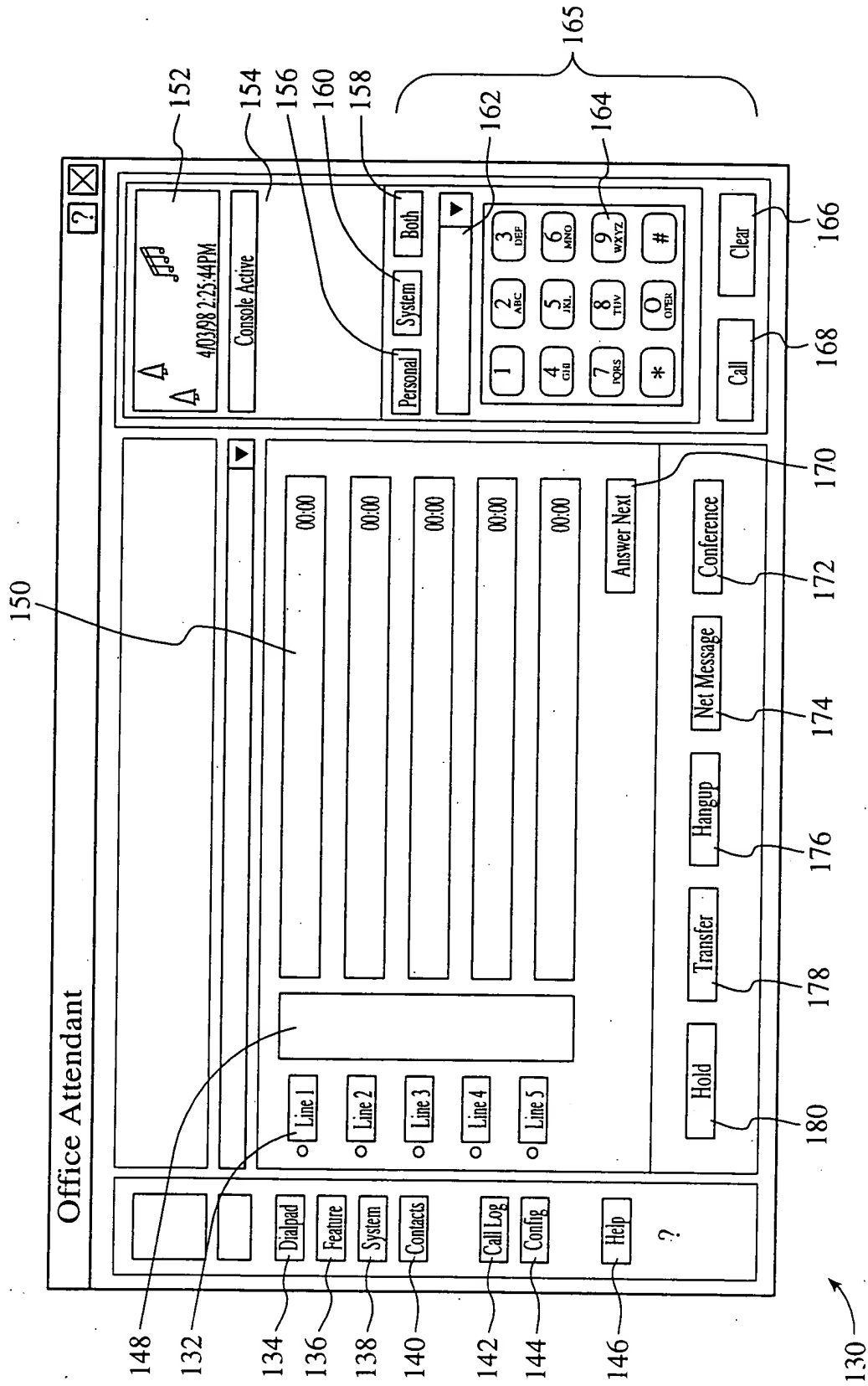


FIG. 8A

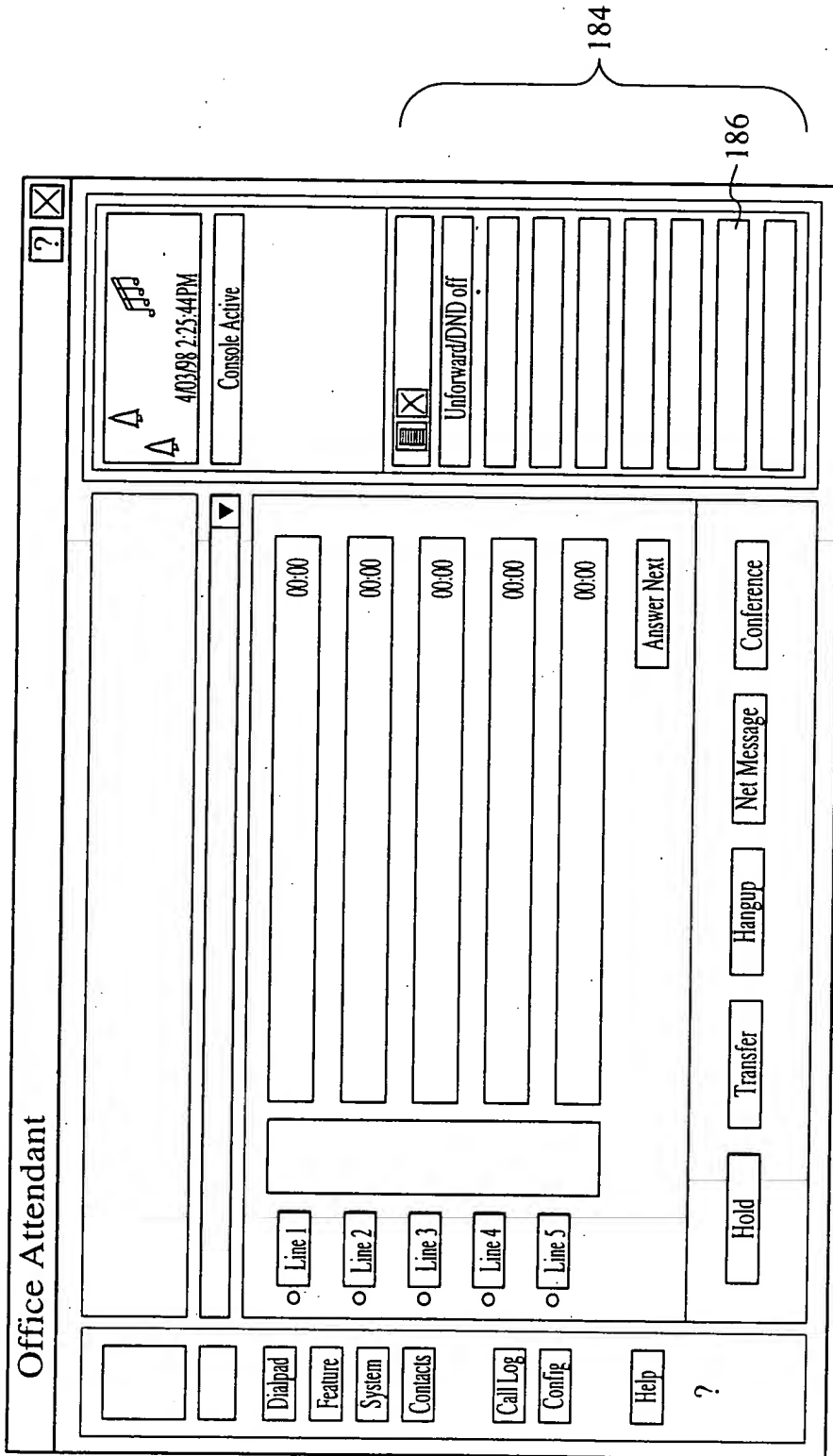


FIG. 8B

11/43

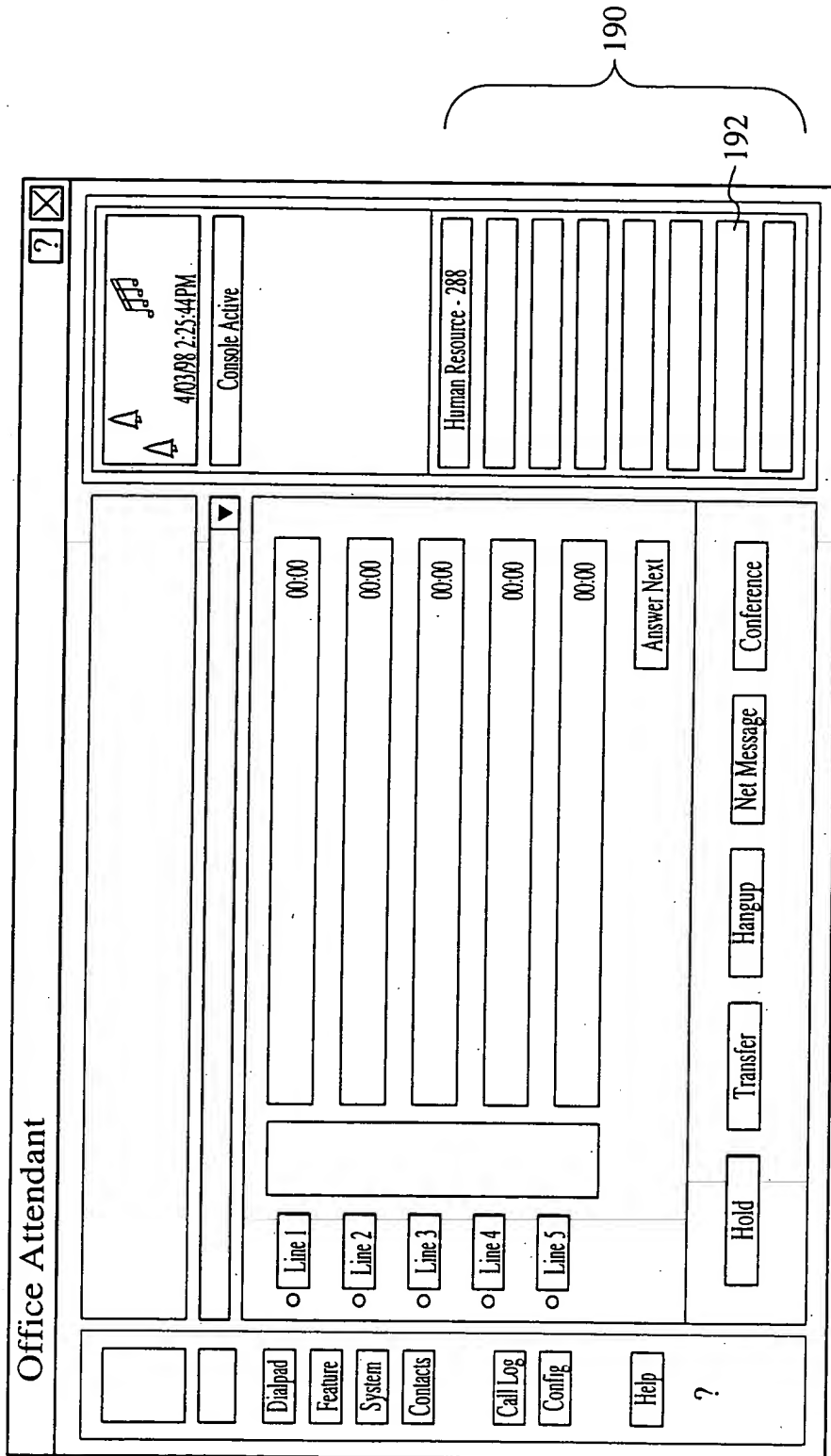


FIG. 8C

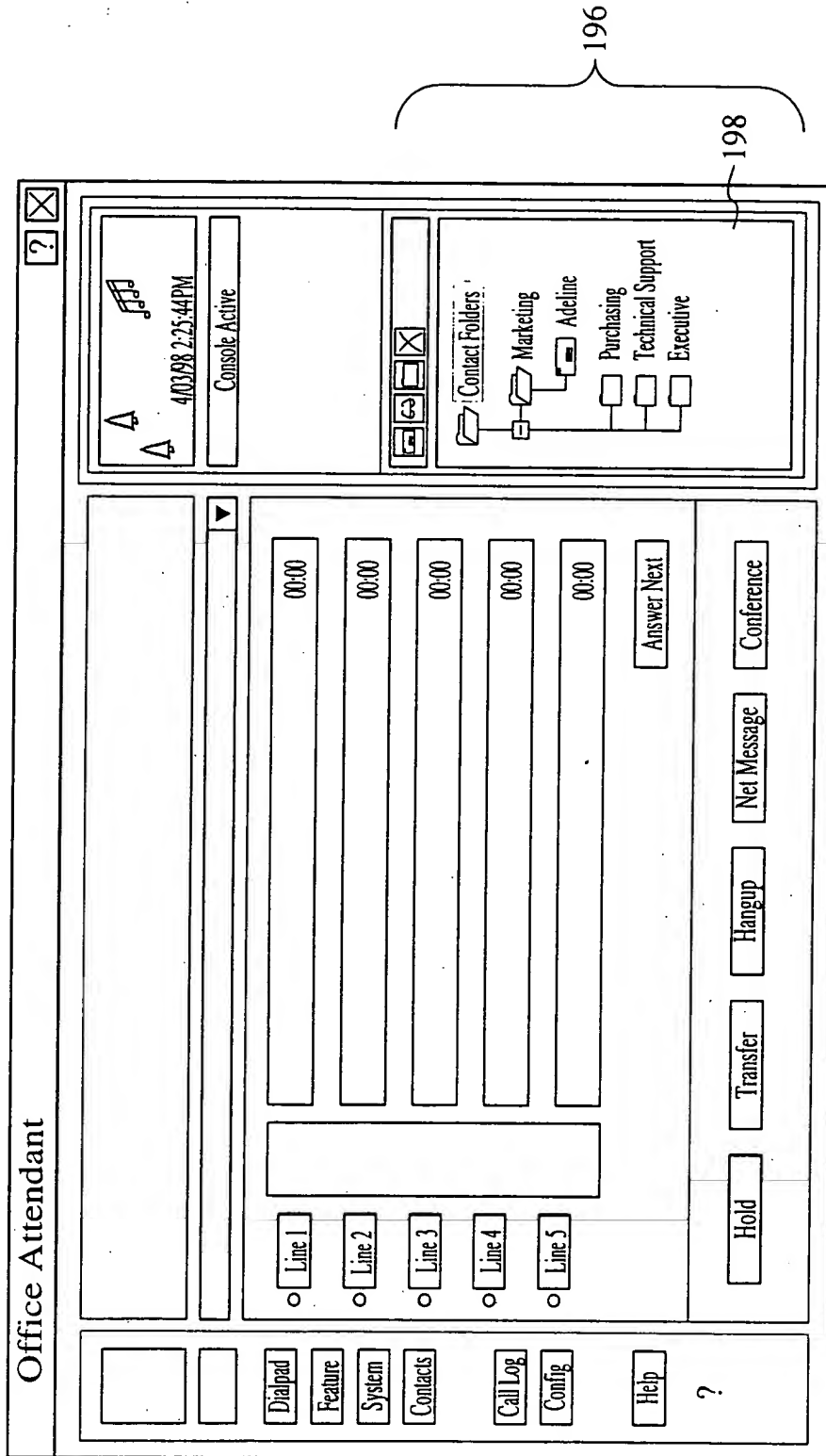


FIG. 8D

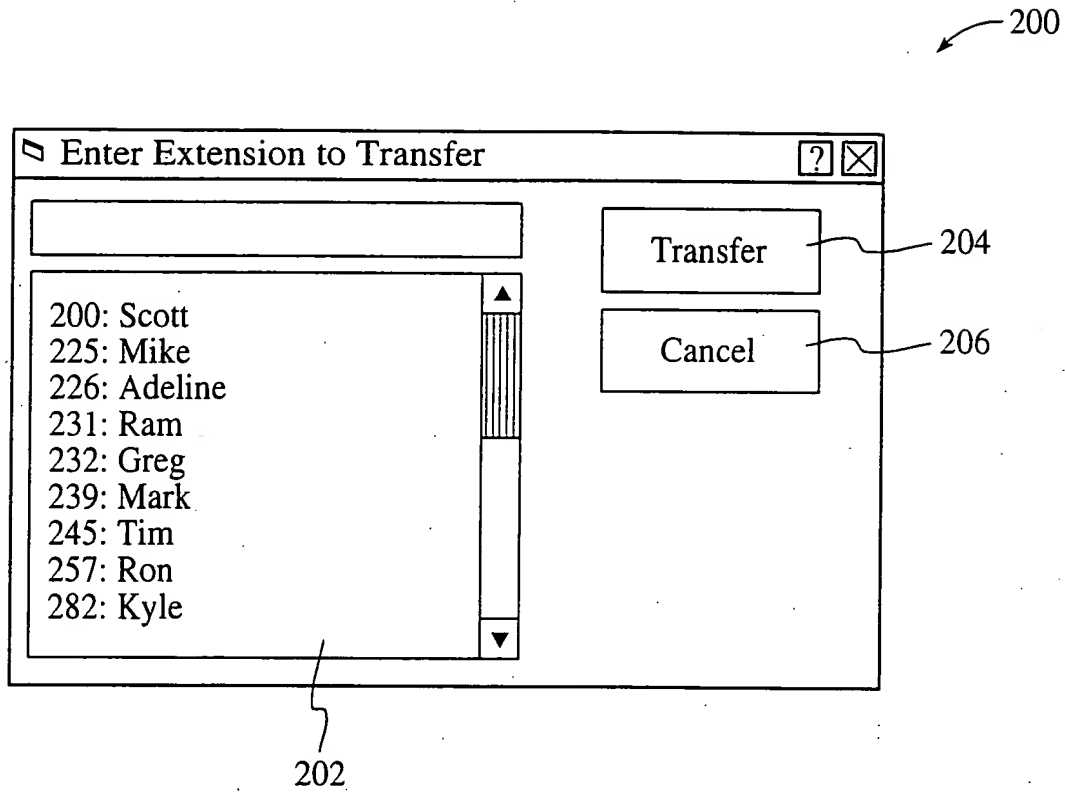


FIG. 9A

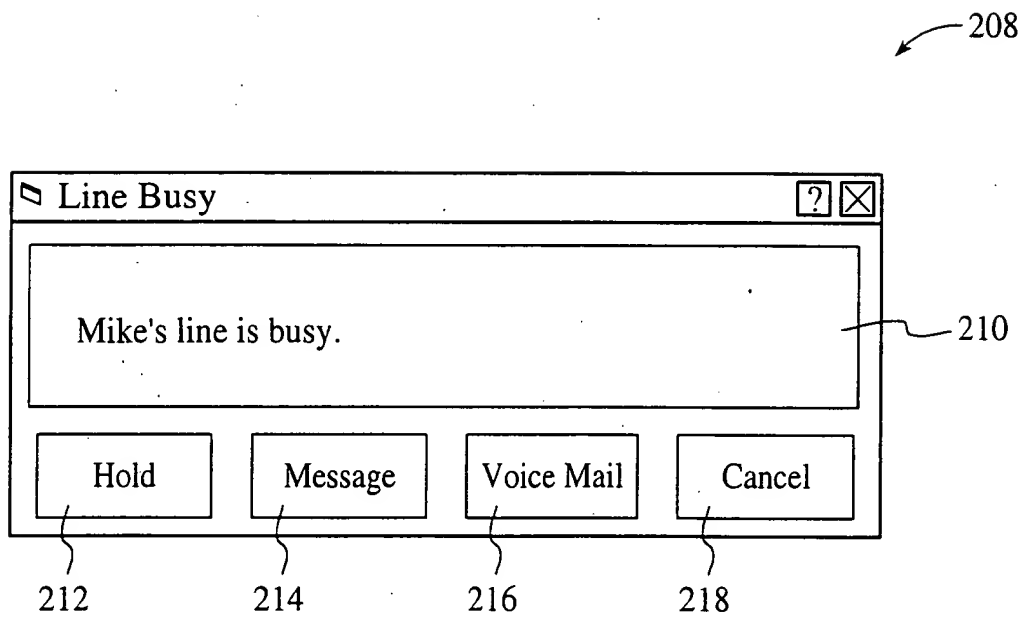


FIG. 9B

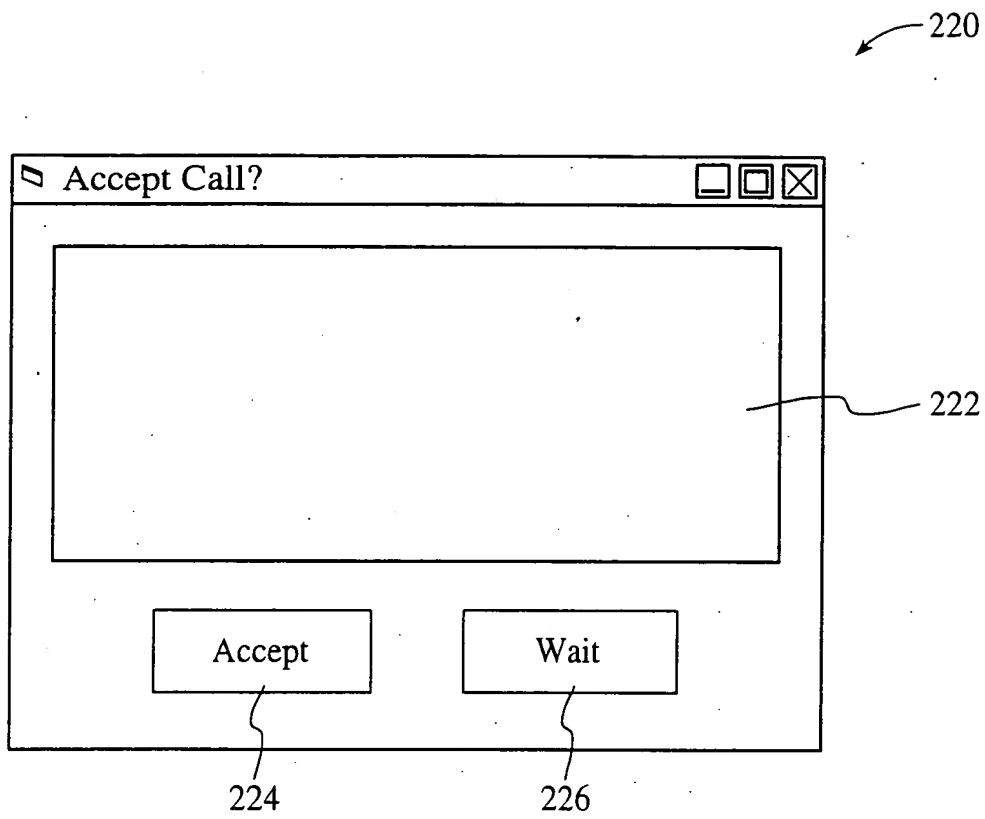


FIG. 9C

230

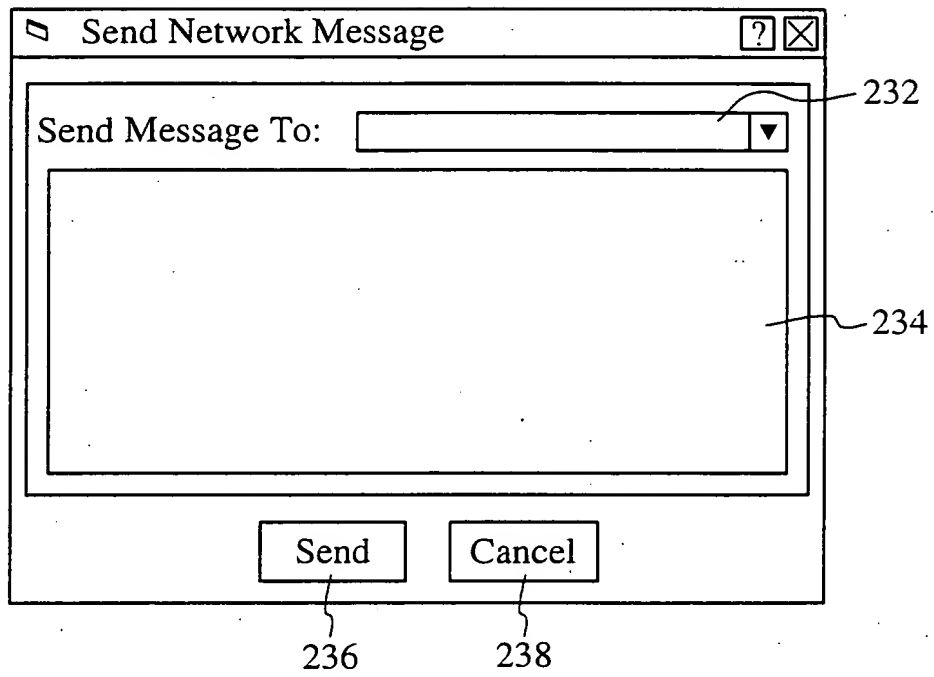


FIG. 10A

240

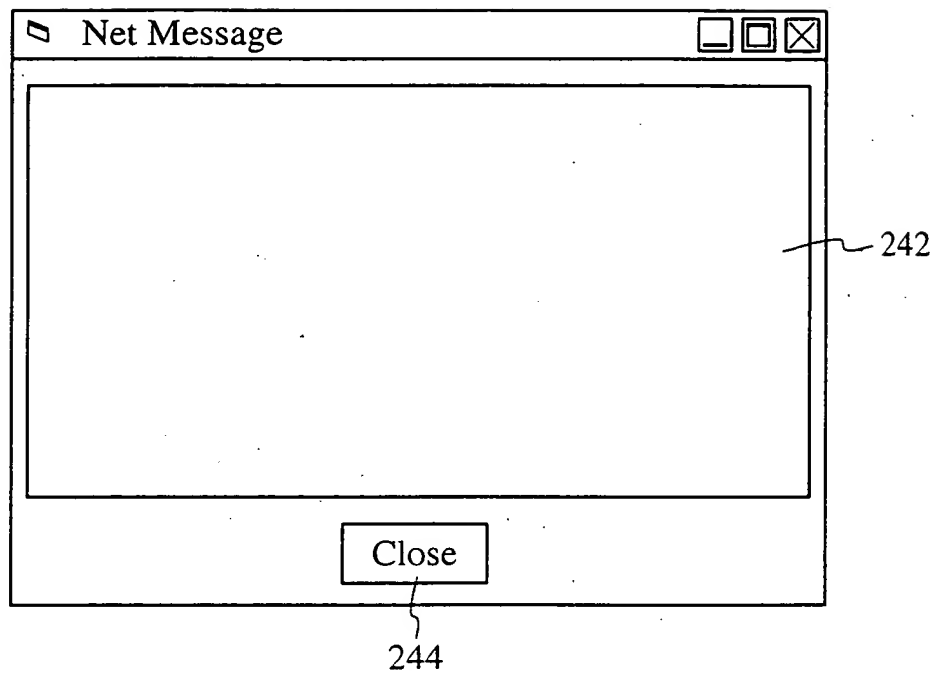


FIG. 10B

258 256 254

Conference [?] [X]

Step 1: Add Active Calls to Conference

Active Calls on Attendant Console

Line 2 - 282

252

Add=>

<=Remove

Remove All

Invited Attendees:

Line 1 - 408-5239700

260

Current Attendees:

262

Finish 268

Cancel 266

Call Others 264

250

FIG. 11A

278 280

Conference [?] [X]

Step 2: Prepare to Call Additional Attendees

Attendee Number:

1 (408) 523-9700

276

274

Personal System Both

273

Noah

272

1 2 3
4 5 6
7 8 9
* 0 #

Add=>

<=Remove

Additional Attendees:

Noah: 14085239700

282

Attendees in Conference:

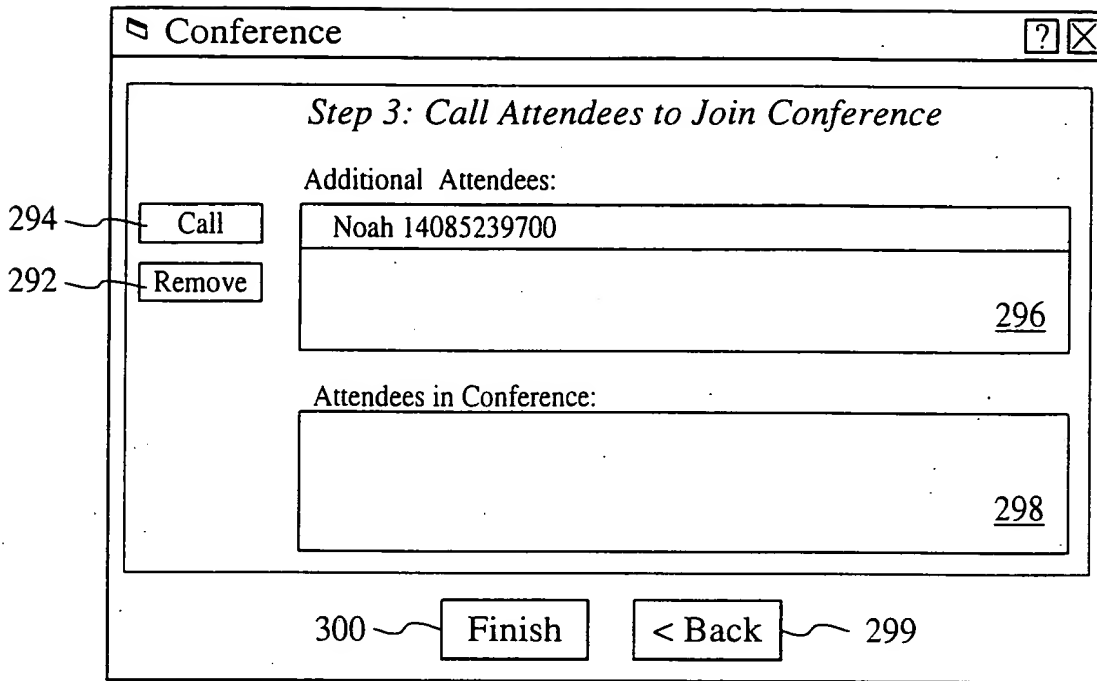
284

Finish 288

Next> 286

270

FIG. 11B



290

FIG. 11C

302

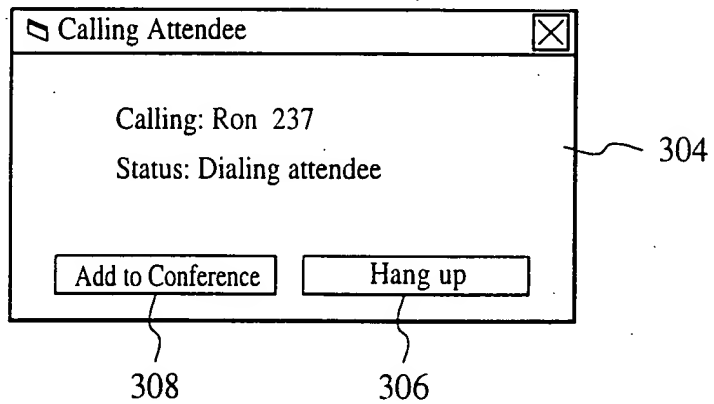


FIG. 11D

310

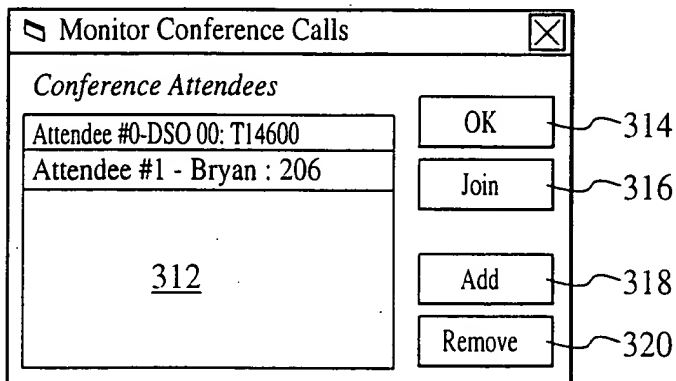


FIG. 11E

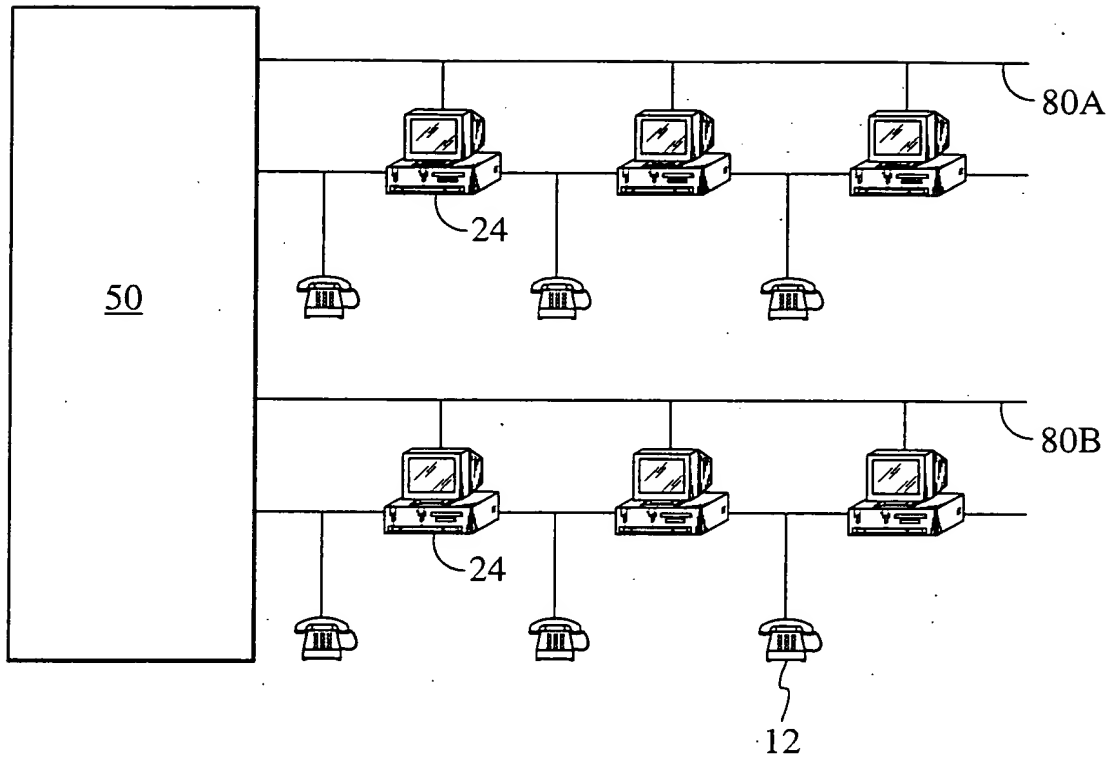


FIG. 12

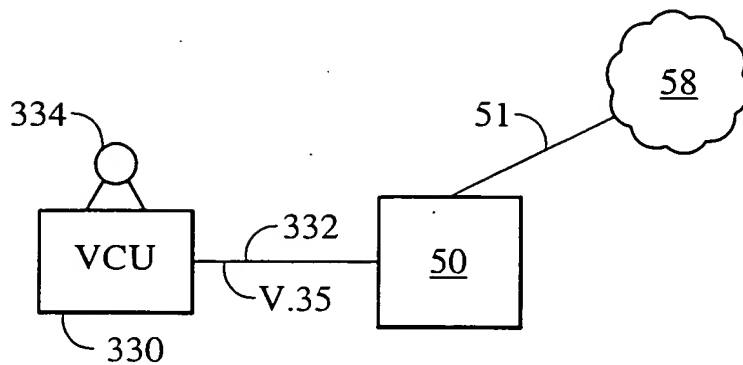


FIG. 13A

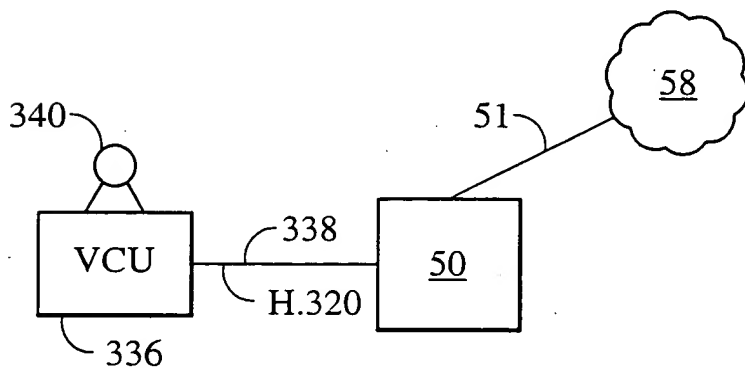


FIG. 13B

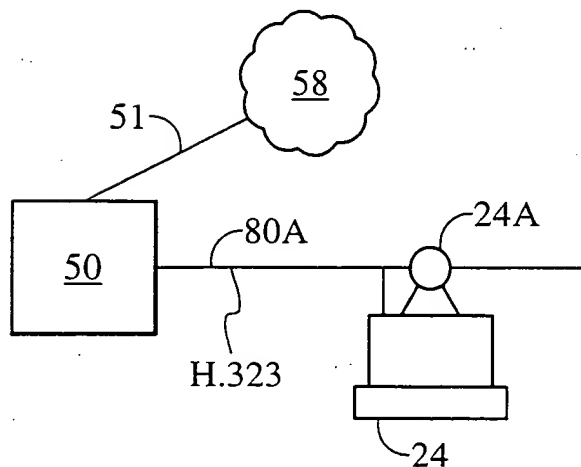


FIG. 13C

Call Log

353 ☐ Total Number Calls: 0

352

Number	Begin Time	End Time	Duration	Type	Acco
227	3/23/98 7:26:11 PM	3/23/98 7:26:15 PM	00:00:04	Inbound	

354

Record Details

356

Number	227
Begin Time	3/23/98 7:26:11 PM
End Time	3/23/98 7:26:15 PM
Duration	00:00:04
Type	Inbound
Account	

358

Note

360

350

FIG. 14

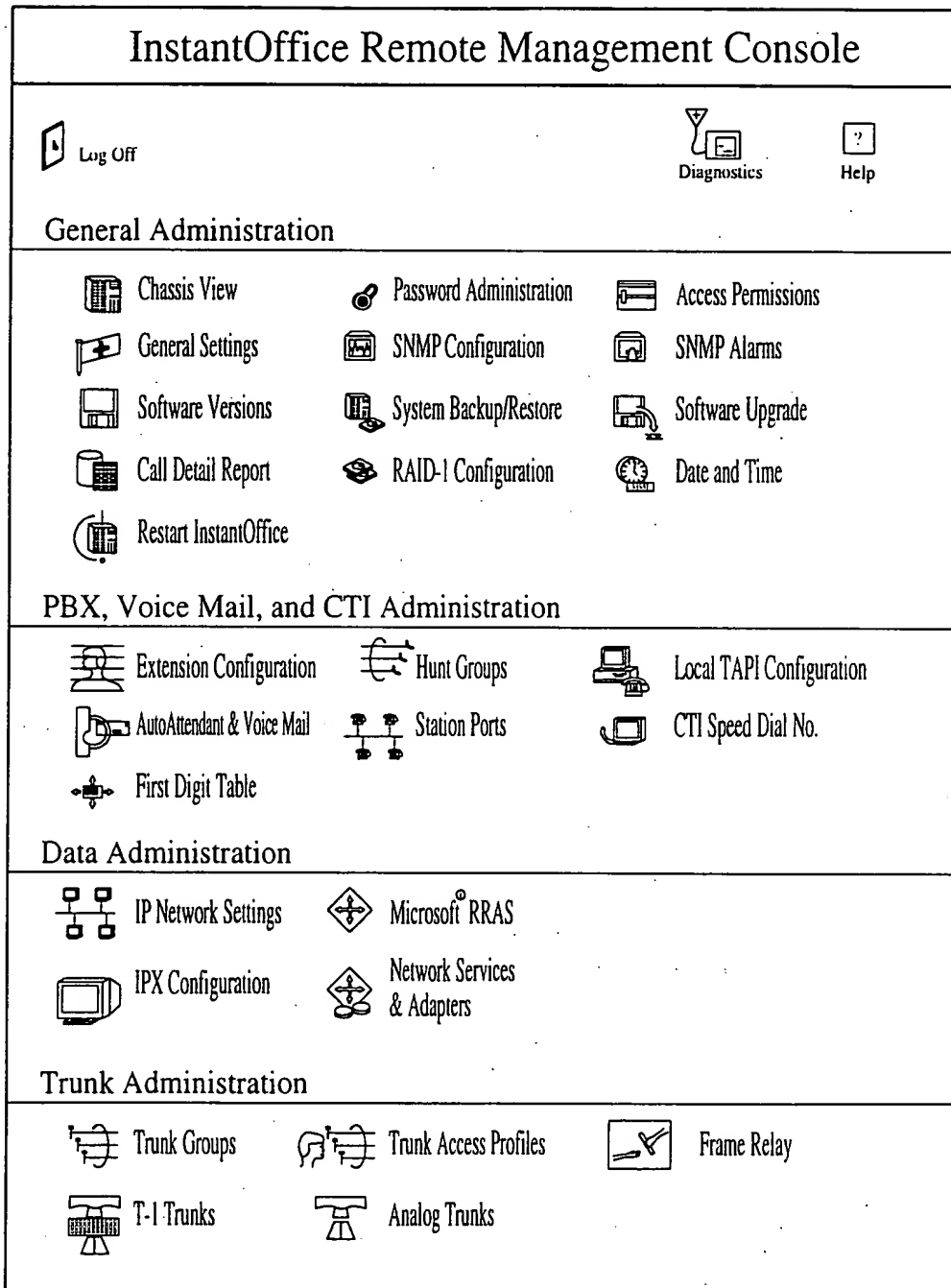


FIG. 15

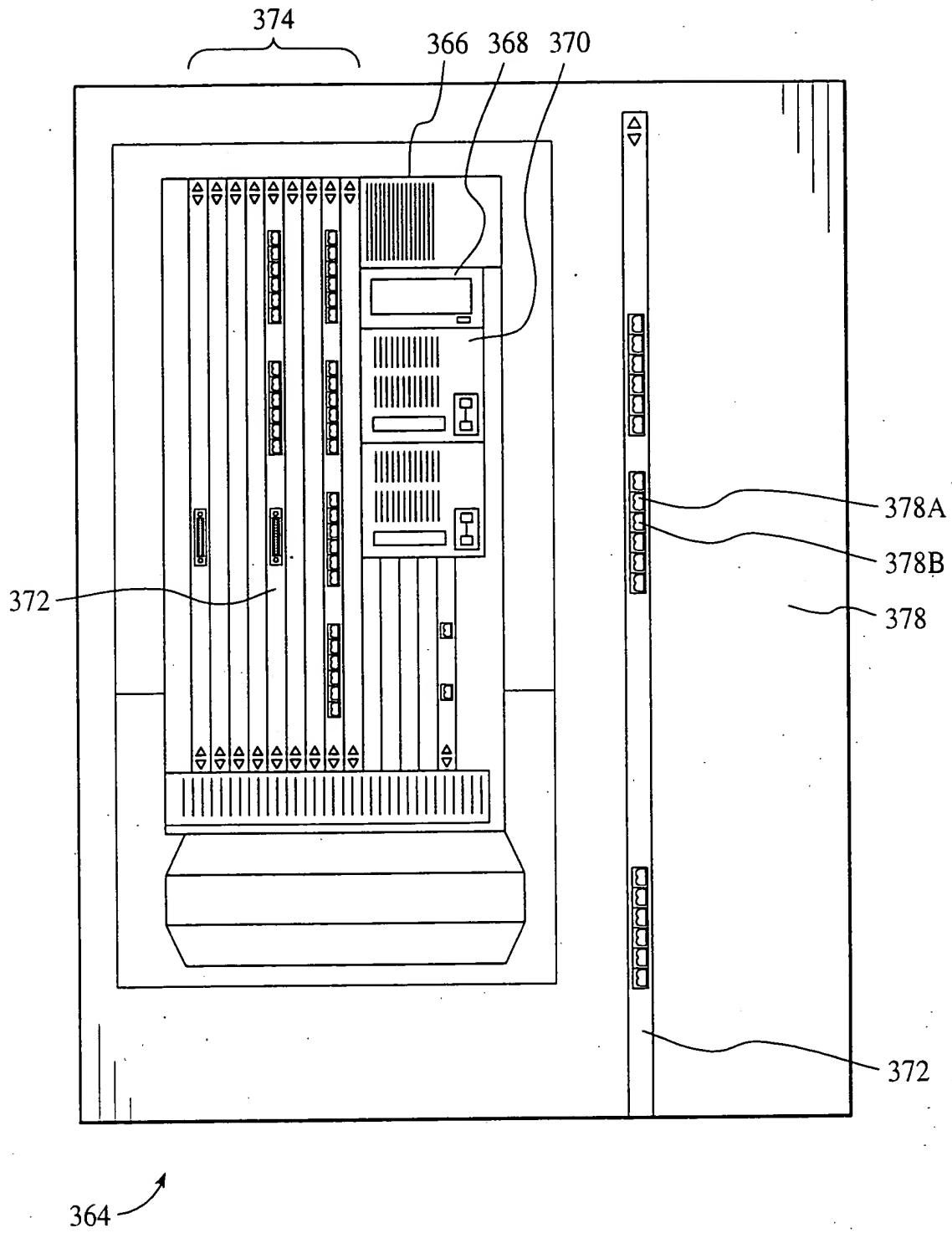


FIG. 16A

T-1 Trunks

Card/Module: (Slot 14) T-1 Module, 2-Port

Port 1

Port 2

Trunk Settings

☐ Trunk in Service

Trunk Type

T-1

ISDN Switch Variant

ATIS

System Clock Reference

Not Used

Framing

ESF

Line Coding

B8ZS

Line Build Out

7.5db

☒ Courtesy Reset
 ☐ Force Reset

Channel Settings

ISDN

ISDN

	Enabled	Signaling	Trunk Groups
-1-	Yes	Wink Start	DID Digital
-2-	Yes	Wink Start	Modems
-3-	Yes	Ground Start	Voice Analog
-4-	Yes	Wink Start	Voice Digital
-5-	Yes	Wink Start	DID Analog
-6-	No	Wink Start	WAN Data
-7-	No	Wink Start	None
-8-	No	Wink Start	None
-9-	No	Wink Start	None
-10-	No	Wink Start	None
-11-	No	Wink Start	None
-12-	No	Wink Start	None
-13-	No	Wink Start	None
-14-	No	Wink Start	None
-15-	No	Wink Start	None
-16-	No	Wink Start	None
-17-	No	Wink Start	None
-18-	No	Wink Start	None
-19-	No	Wink Start	None
-20-	No	Wink Start	None
-21-	No	Wink Start	None
-22-	No	Wink Start	None
-23-	No	Wink Start	None
-24-	No	Wink Start	None

FIG. 16B

Station Ports

Card/Module: (Slot 1) Analog Station Card, 24-port ☐ Card in Service

State Phone Type MWI Type Operation Mode

☒ Courtesy Reset
☐ Force Reset

State	Phone Type	MWI Type	Operation Mode
-1- Enabled	Caller ID	Stutter	Station
-2- Enabled	Basic	Stutter	Station
-3- Enabled	Basic	Lamp	Station
-4- Enabled	Caller ID	Stutter	Station
-5- Enabled	Basic	Stutter	Vmail
-6- Enabled	Basic	Stutter	Station
-7- Enabled	Basic	Lamp	Station
-8- Enabled	Basic	Stutter	Station
-9- Enabled	Basic	Stutter	Station
-10- Enabled	Basic	Stutter	Station
-11- Enabled	Basic	Stutter	Station
-12- Enabled	Basic	Stutter	Station
-13- Enabled	Basic	Stutter	Station
-14- Enabled	Basic	Stutter	No Config
-15- Enabled	Basic	Stutter	Station
-16- Enabled	Basic	Stutter	Vmail
-17- Enabled	Basic	Stutter	Station
-18- Enabled	Basic	Stutter	Station
-19- Enabled	Basic	Stutter	Station
-20- Enabled	Basic	Stutter	Station
-21- Enabled	Basic	Stutter	Station
-22- Enabled	Basic	Stutter	Station
-23- Enabled	Basic	Stutter	Station
-24- Enabled	Basic	Stutter	Station

Restore Apply Done Help

FIG. 16C

ANALOG TRUNK CONFIGURATION

Card/Module: None ▼

Port Parameters

Signaling

 ▼

Trunk Group

 ▼

Port Settings

Enabled

Signaling

Trunk Group

☐ Courtesy Reset

Default

Restore

Apply

Done

Help

384

FIG. 16D

Frame Relay Configuration

Virtual Port: ▼ ☐ Removed

Port Settings

Name:

DLCI (16-991) ▲▼

LMI Mode: ▼

LMI Type: ▼

Encapsulation: ▼

386

FIG. 16E

Network Settings

Host Name: pbxlab04

Domain Name: vertical.com

Network Interface: [1] Resource Switch Card: 10BT Ethernet ▼

IP Address DNS WINS

Windows Internet Name Services (WINS)

Primary WINS Server: 192.168.1.2

Secondary WINS Server:

☐ Enable DNS for Windows Resolution

Scope ID:

Restore Apply Done Help

388

FIG. 16F

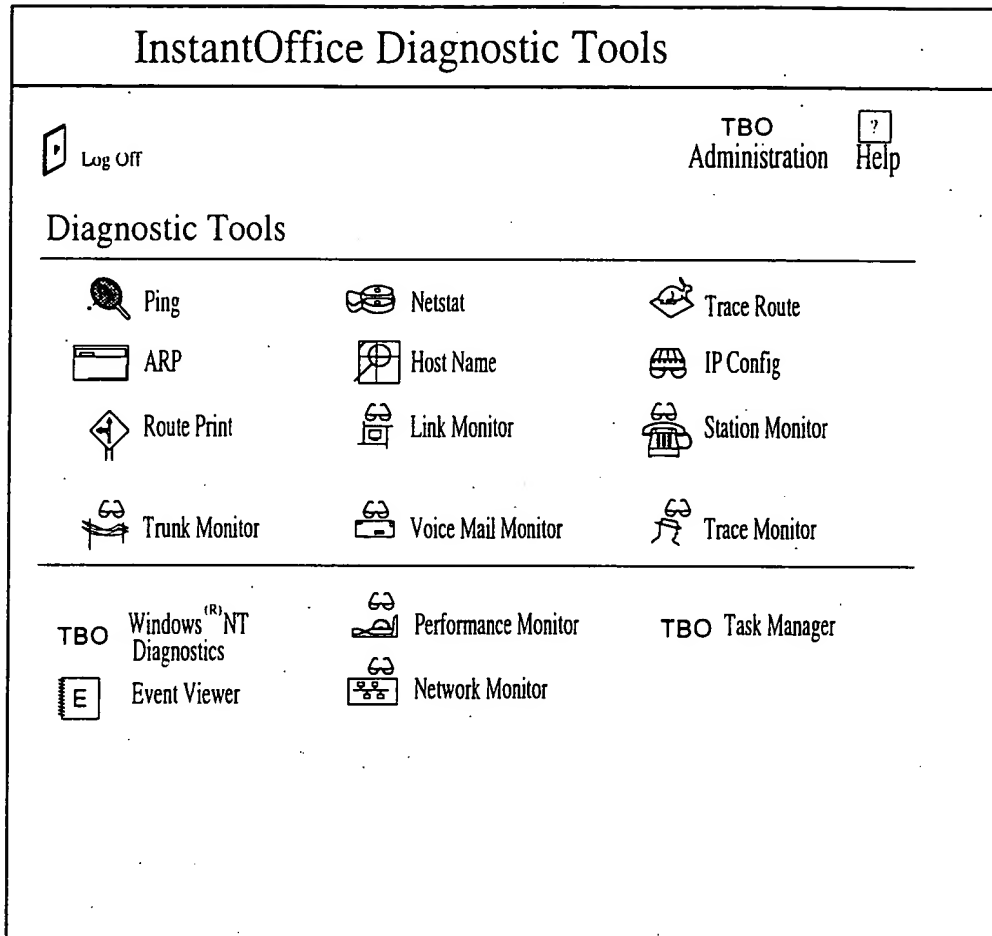


FIG. 17A

Link Monitor

☐ Use Periodic Polling Polling Intervals (in secs): 1
☒ Refresh on Demand Refresh

Slot	Board	Port	Admin	Auto Partition	Link
7	Ethernet Hub Card	15	Enabled	No	No Link
7	Ethernet Hub Card	16	Enabled	No	No Link
7	Ethernet Hub Card	17	Enabled	No	No Link
7	Ethernet Hub Card	18	Enabled	No	No Link
7	Ethernet Hub Card	19	Enabled	No	No Link
7	Ethernet Hub Card	20	Enabled	No	No Link
7	Ethernet Hub Card	21	Enabled	No	No Link
7	Ethernet Hub Card	22	Enabled	No	No Link
7	Ethernet Hub Card	23	Enabled	No	No Link
7	Ethernet Hub Card	24	Enabled	No	No Link
5	Resource Switch C...	1	Enabled	No	No Link
5	Resource Switch C...	2	Enabled	No	No Link
5	Resource Switch C...	3	Enabled	No	No Link
5	Resource Switch C...	4	Enabled	No	Link
5	Resource Switch C...	5	Enabled	No	No Link
5	Resource Switch C...	6	Enabled	No	No Link
5	Resource Switch C...	7	Enabled	No	No Link
5	Resource Switch C...	8	Enabled	No	No Link
5	Resource Switch C...	9	Enabled	No	No Link
5	Resource Switch C...	10	Enabled	No	No Link
5	Resource Switch C...	11	Enabled	No	No Link
5	Resource Switch C...	12	Enabled	No	No Link

Done Help

FIG. 17C

Link Monitor

☐ Use Periodic Polling Polling Intervals (in secs):

☒ Refresh on Demand

Extension	State	Other Party	Display Name	Card	Port
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
	Offhook Active		Default	0	0
571	Phone is not op...		Default	0	0
572	Phone is not op...		Default	0	0
100	Idle		Default	0	0
101	Idle		Default	0	0
102	Idle		Default	0	0
103	Idle		Default	0	0
104	Idle		Default	0	0
105	Idle		Default	0	0
106	Idle		Default	0	0
107	Idle		Default	0	0
108	Idle		Default	0	0
109	Idle		Default	0	0

FIG. 17D

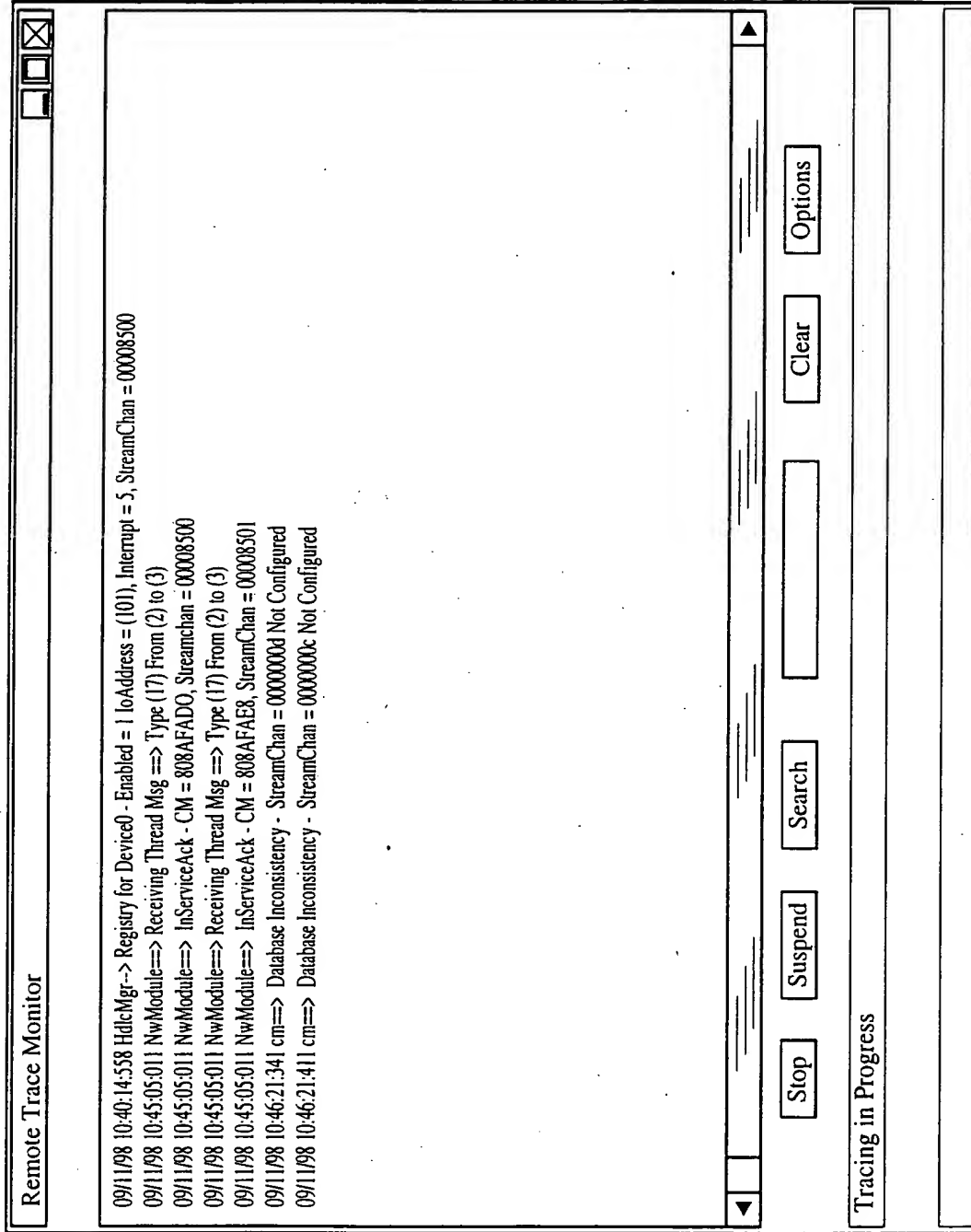
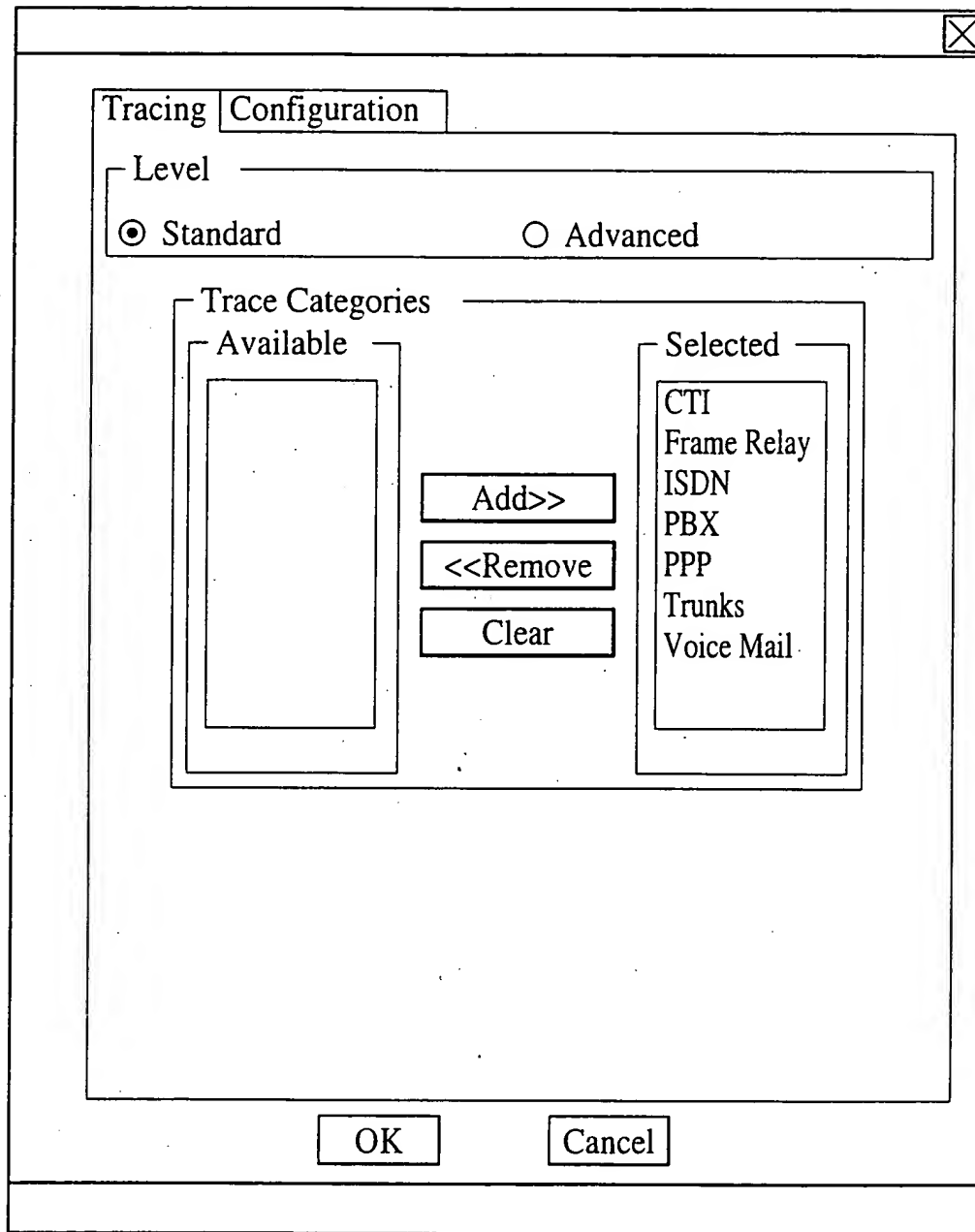


FIG. 17E



397

FIG. 17F

Tracing Configuration

Level

☐ Standard ☒ Advanced

Available Categories and Filters

Component

- AServer
- CDataRep
- CTICS
- Connection Manager
- DSP Manager

Trace Filters

- Server

Add Remove Clear

Selected Categories and Filters

OK Cancel

398

FIG. 17G

Tracing Configuration

Mode

☒ Real-Time

☐ File

Number of Entries Displayed

500 1000 1500 2000 2500

Poll Interval in Seconds

0 1 2 3 4 5

File Search Parameters

Start Time

YYYY MM DD HH MM SS

1998 01 01 12 00 00

End Time

YYYY MM DD HH MM SS

2001 12 31 23 59 59

OK Cancel

FIG. 17H

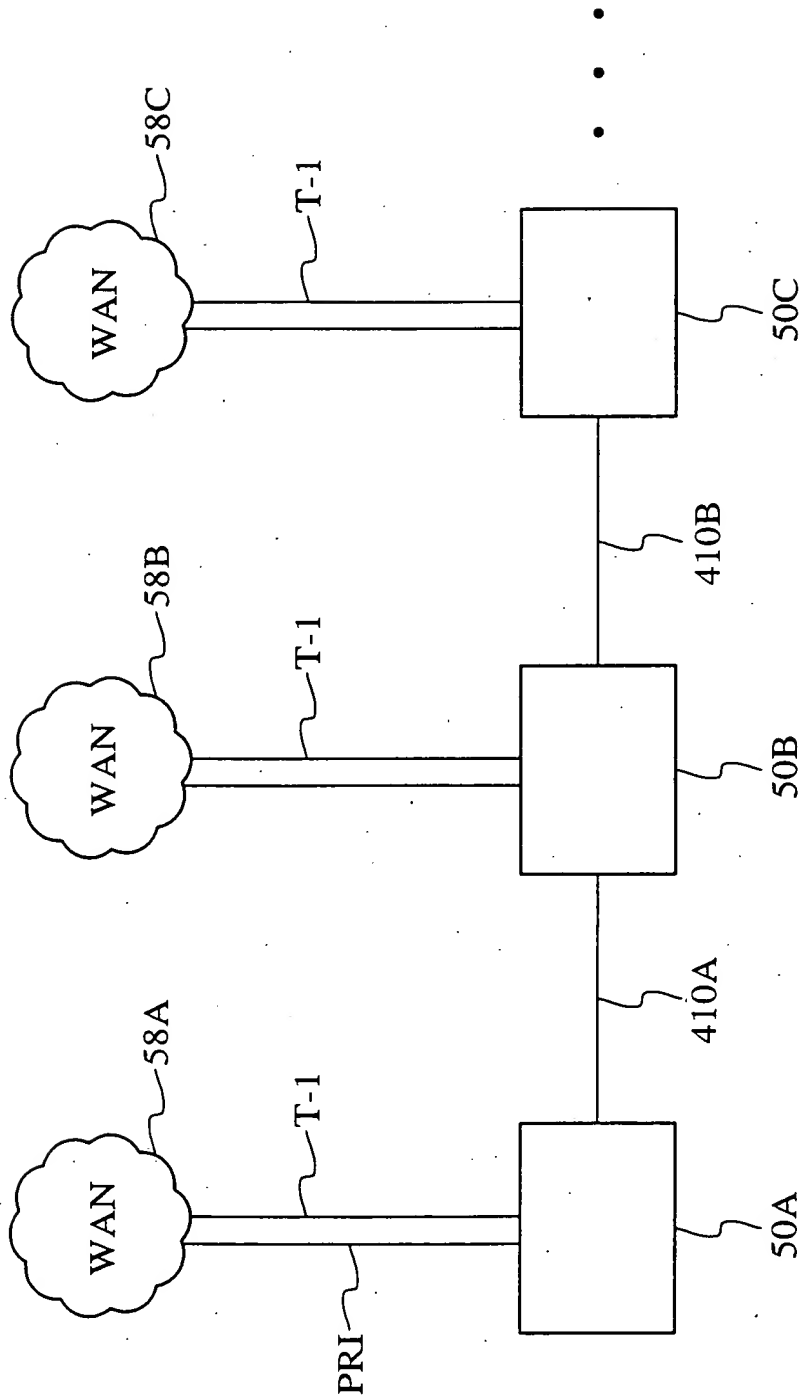


FIG. 18

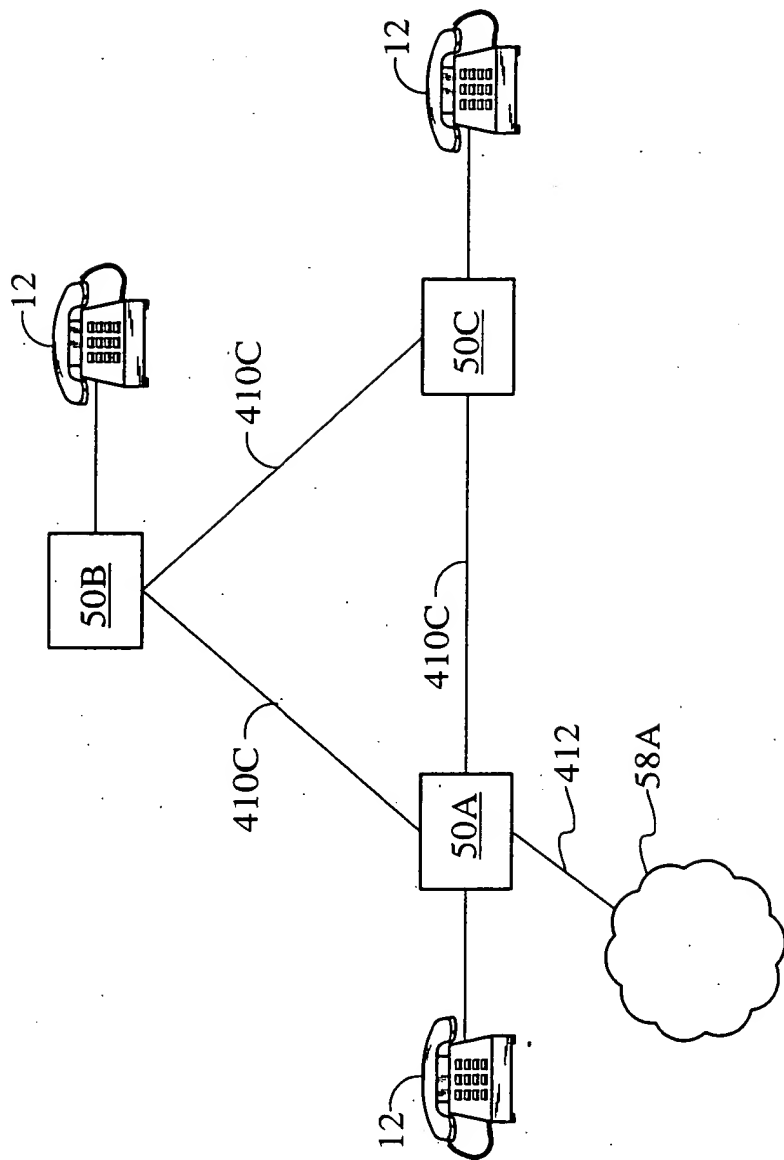


FIG. 19

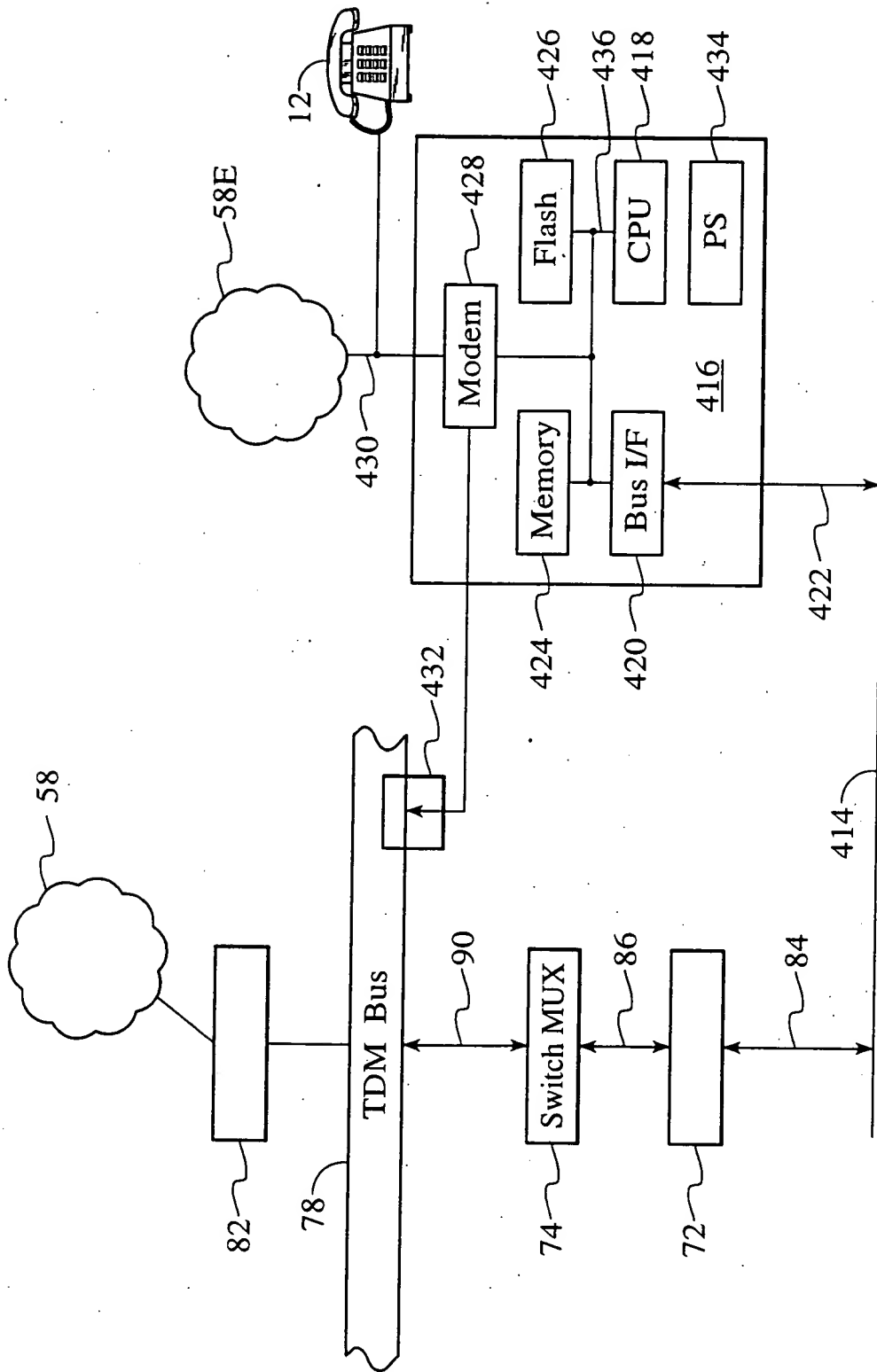


FIG. 20

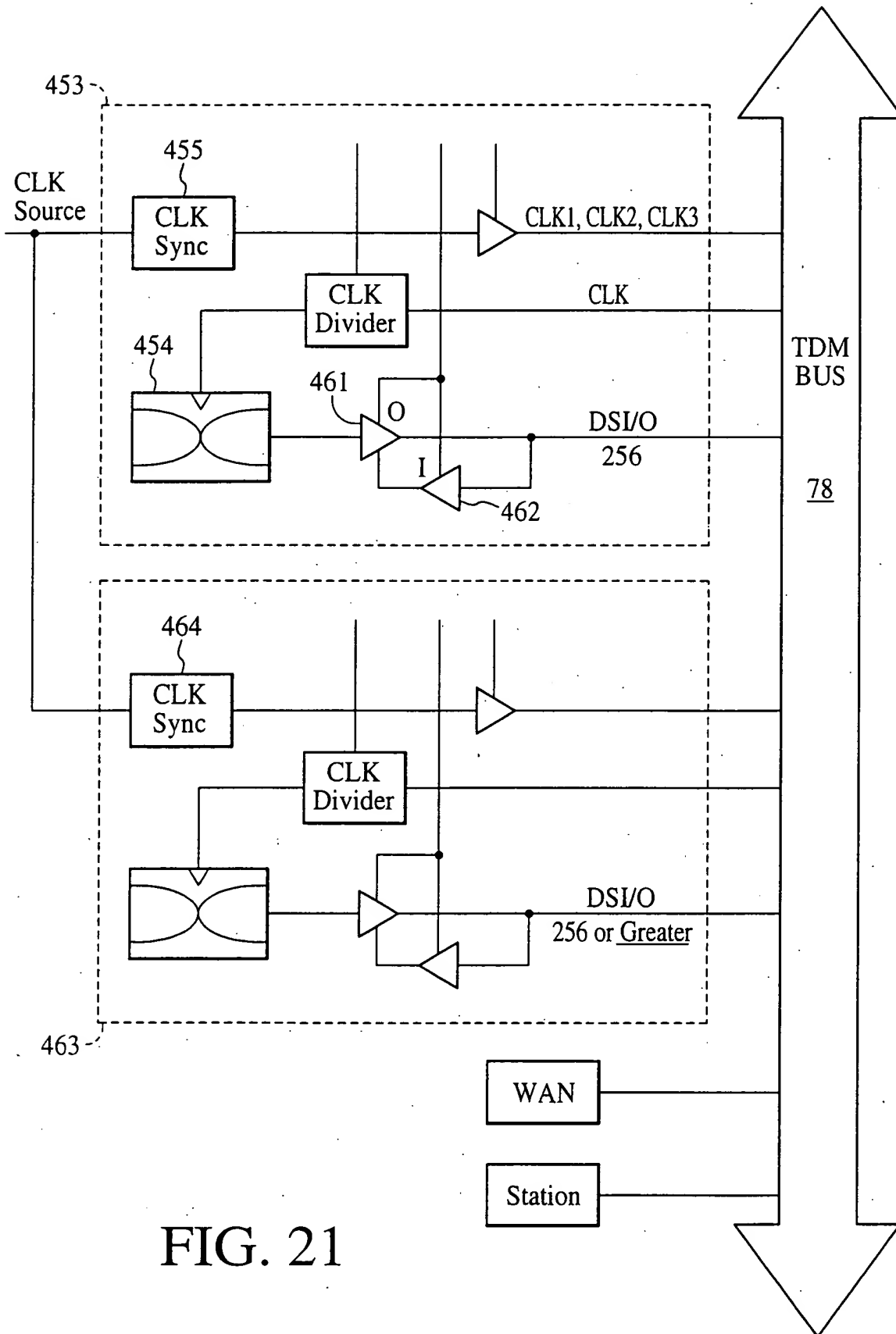


FIG. 21

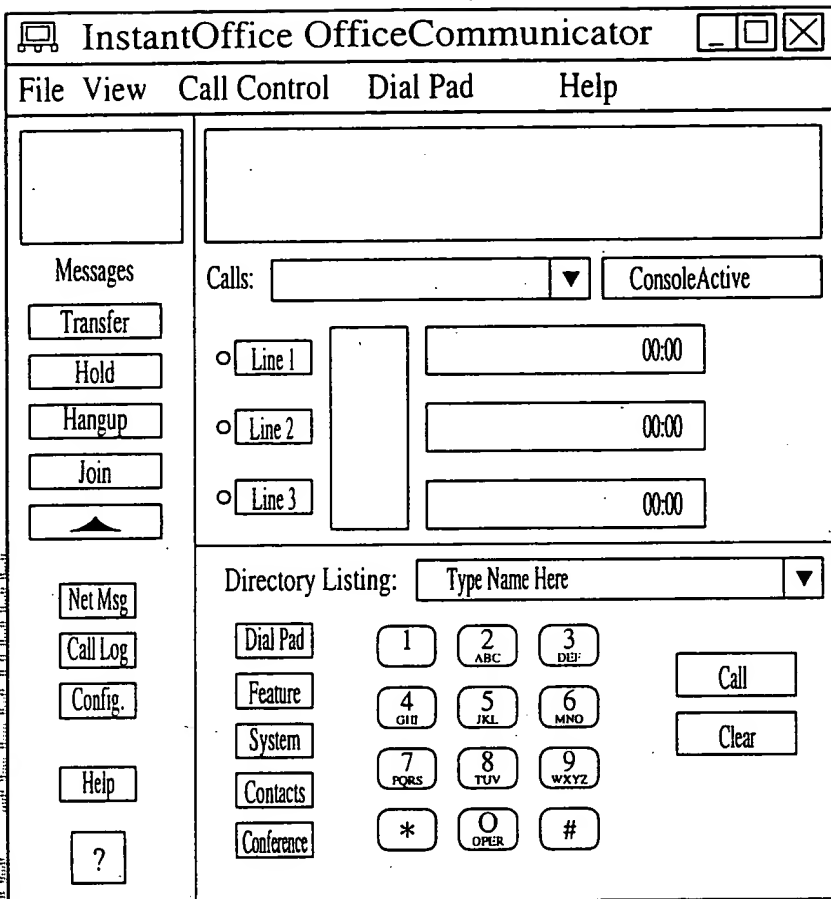


FIG. 22

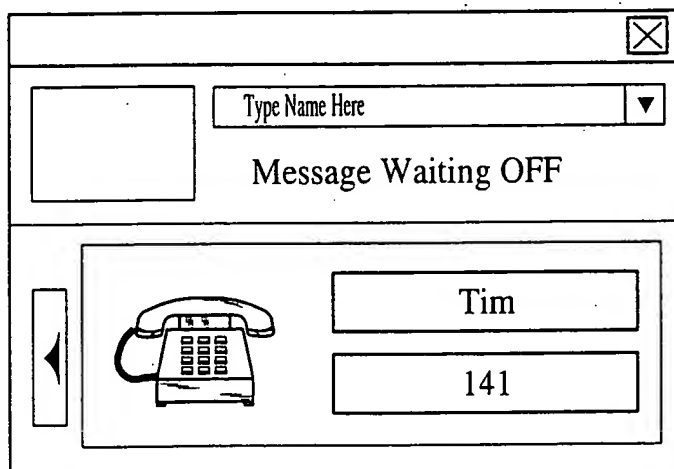


FIG. 23

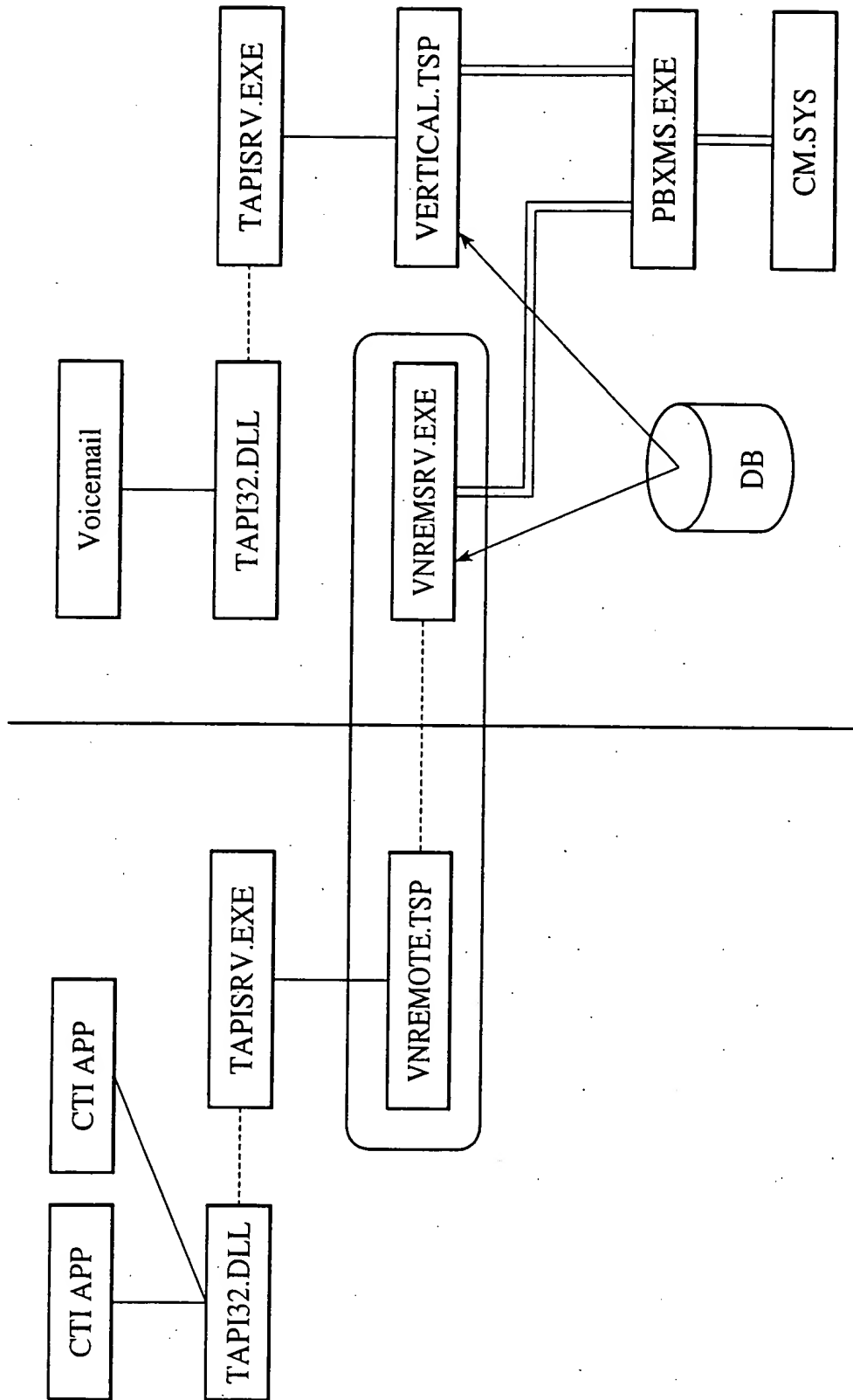


FIG. 24



FIG. 25

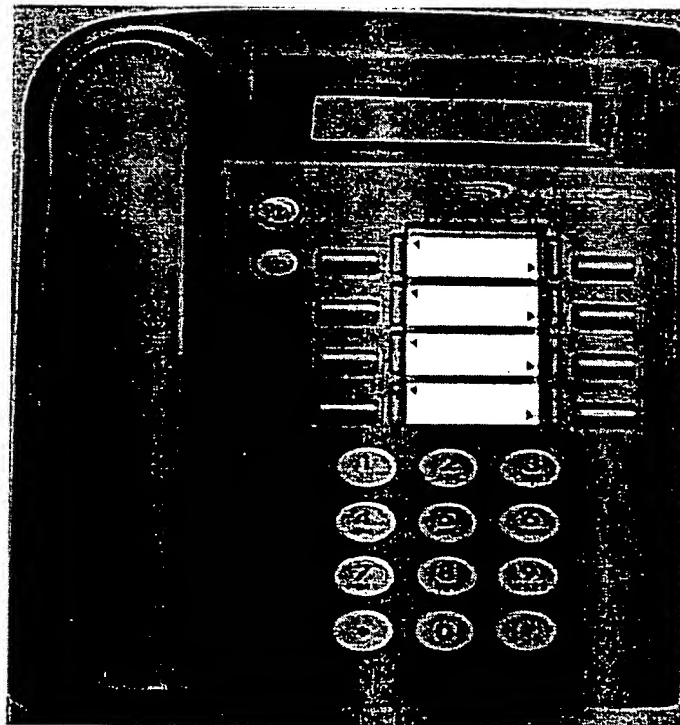
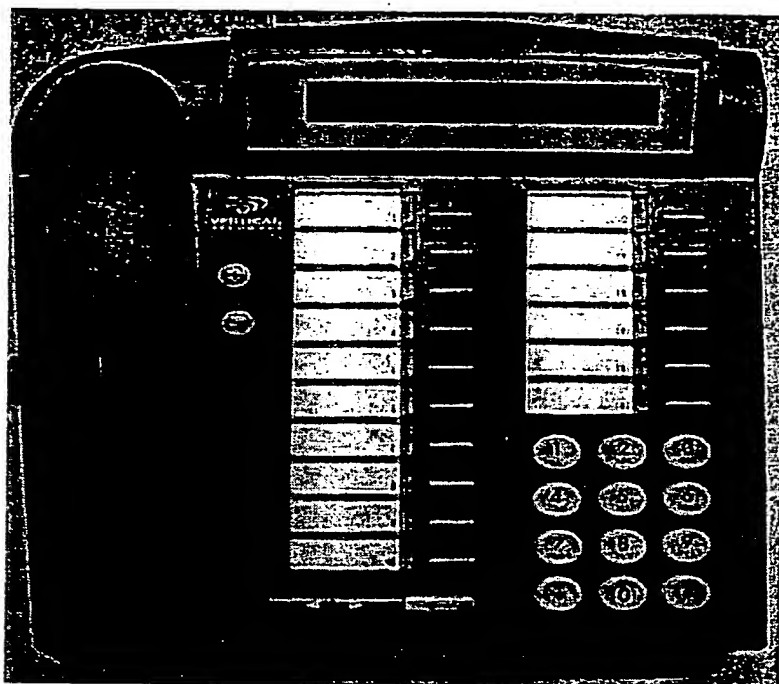
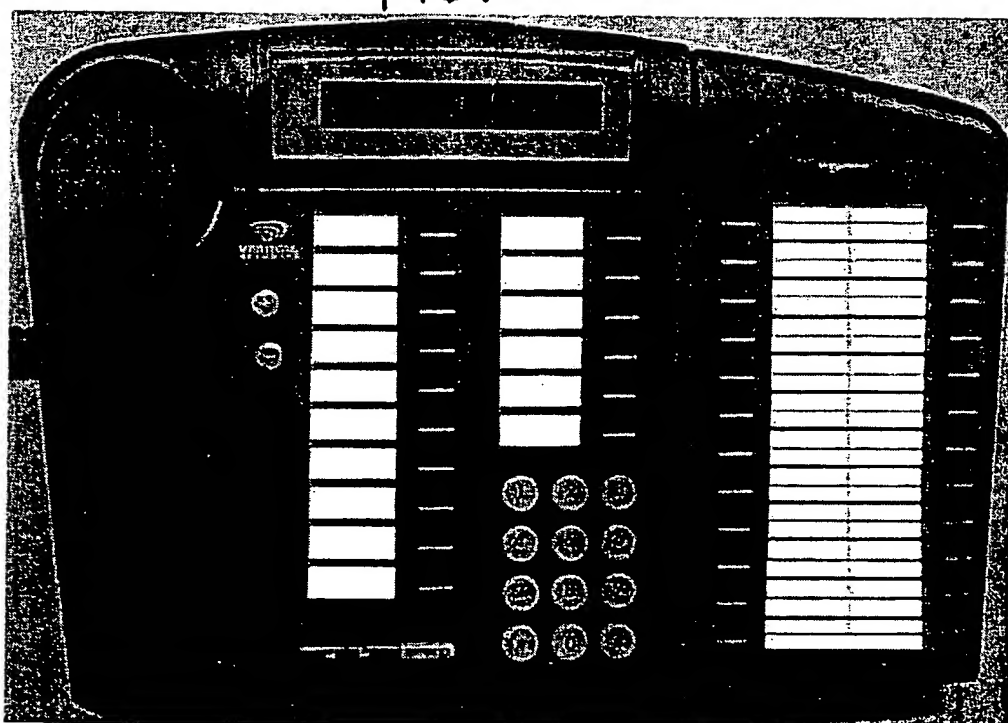


FIG. 26



470

FIG. 27



472

FIG. 28

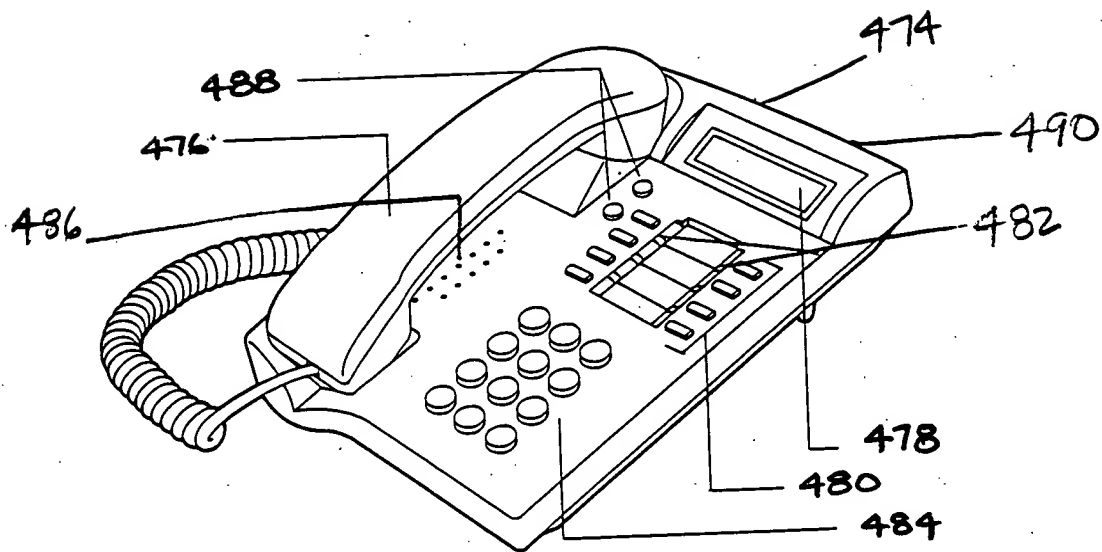


FIG. 29

Configure User

Display Name:

Extension:

Overview Telephone Forwarding Pickup Group

Slot/Port:

Access Profile:

Language:

Telephone Usage

☐ Attendant Telephone

☐ Ring Down/Hotline Telephone:

☒ Normal Telephone

External Caller ID

☒ Use the default as configured in General Settings

☐ Use this number:

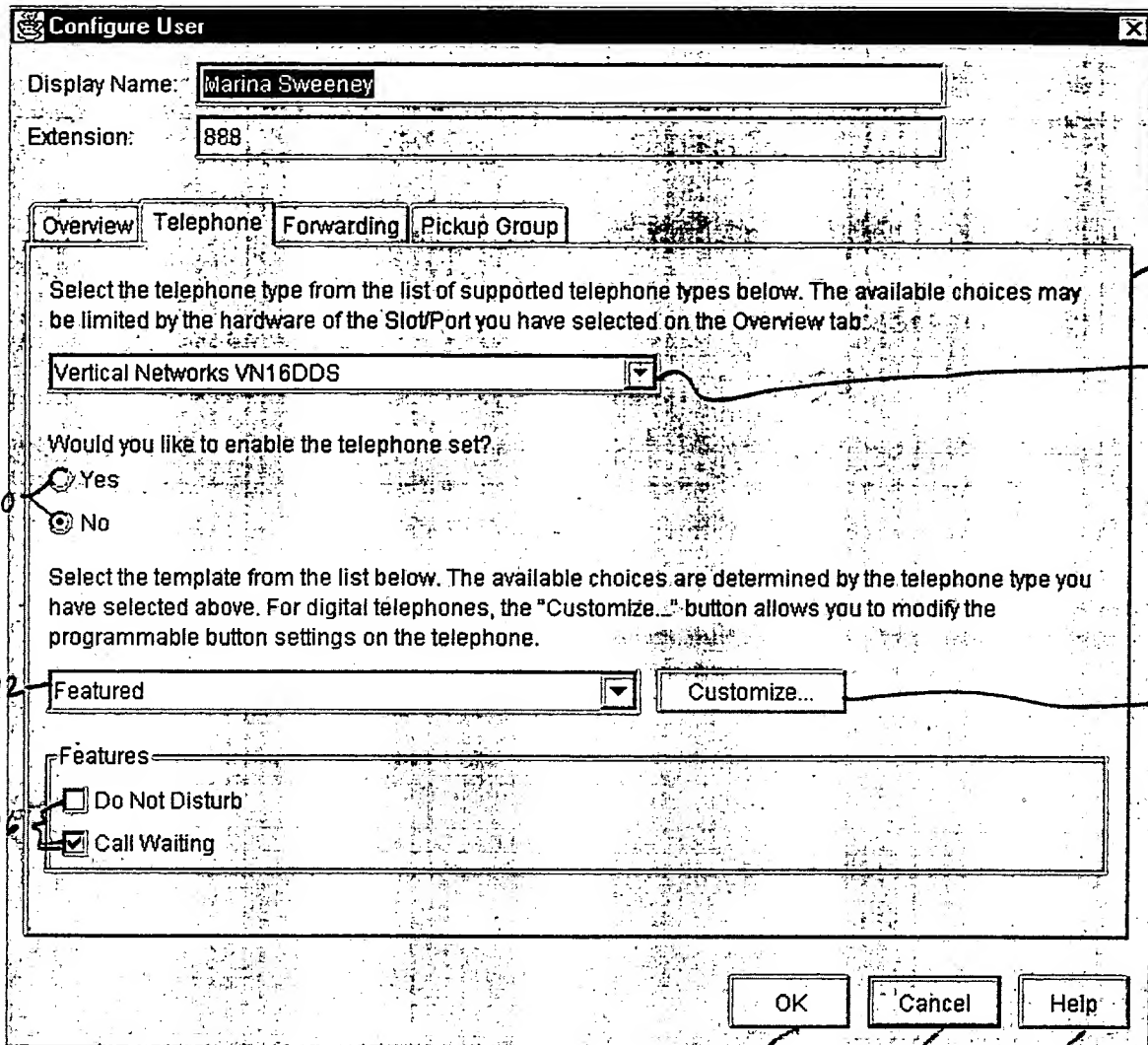
☐ Use the company's main number

☐ Send no information

OK Cancel Help

FIG. 30

492 474 496 504 493 500 502



The image shows a 'Configure User' dialog box with the following elements:

- Title Bar:** 'Configure User' with a close button (X).
- Display Name:** Text field containing 'Marina Sweeney'.
- Extension:** Text field containing '888'.
- Tabs:** 'Overview', 'Telephone', 'Forwarding', 'Pickup Group'. The 'Telephone' tab is selected.
- Instructions:** 'Select the telephone type from the list of supported telephone types below. The available choices may be limited by the hardware of the Slot/Port you have selected on the Overview tab.'
- Telephone Type:** A dropdown menu showing 'Vertical Networks VN16DDS'.
- Enable Telephone Set:** A question 'Would you like to enable the telephone set?' with radio buttons for 'Yes' and 'No'. 'No' is selected.
- Template Selection:** A dropdown menu showing 'Featured' and a 'Customize...' button.
- Features:** A section with checkboxes for 'Do Not Disturb' (unchecked) and 'Call Waiting' (checked).
- Buttons:** 'OK', 'Cancel', and 'Help' at the bottom right.

FIG. 31

498

500

502

506

508

510

512

514

514

Configure User

Display Name: Marina Sweeney

Extension: 888

Overview Telephone Forwarding Pickup Group

Select the telephone type from the list of supported telephone types below. The available choices may be limited by the hardware of the Slot/Port you have selected on the Overview tab.

Vertical Networks VN16DDS

Would you like to enable the telephone set?

☐ Yes

☒ No

Select the template from the list below. The available choices are determined by the telephone type you have selected above. For digital telephones, the "Customize..." button allows you to modify the programmable button settings on the telephone.

Featured

Basic

DSS/BLF

Featured

Retail

Retail 2

Secretarial

Secretarial 2

(None)

Customize...

OK Cancel Help

512

FIG 32

FIG 32-9264360

094936-050401

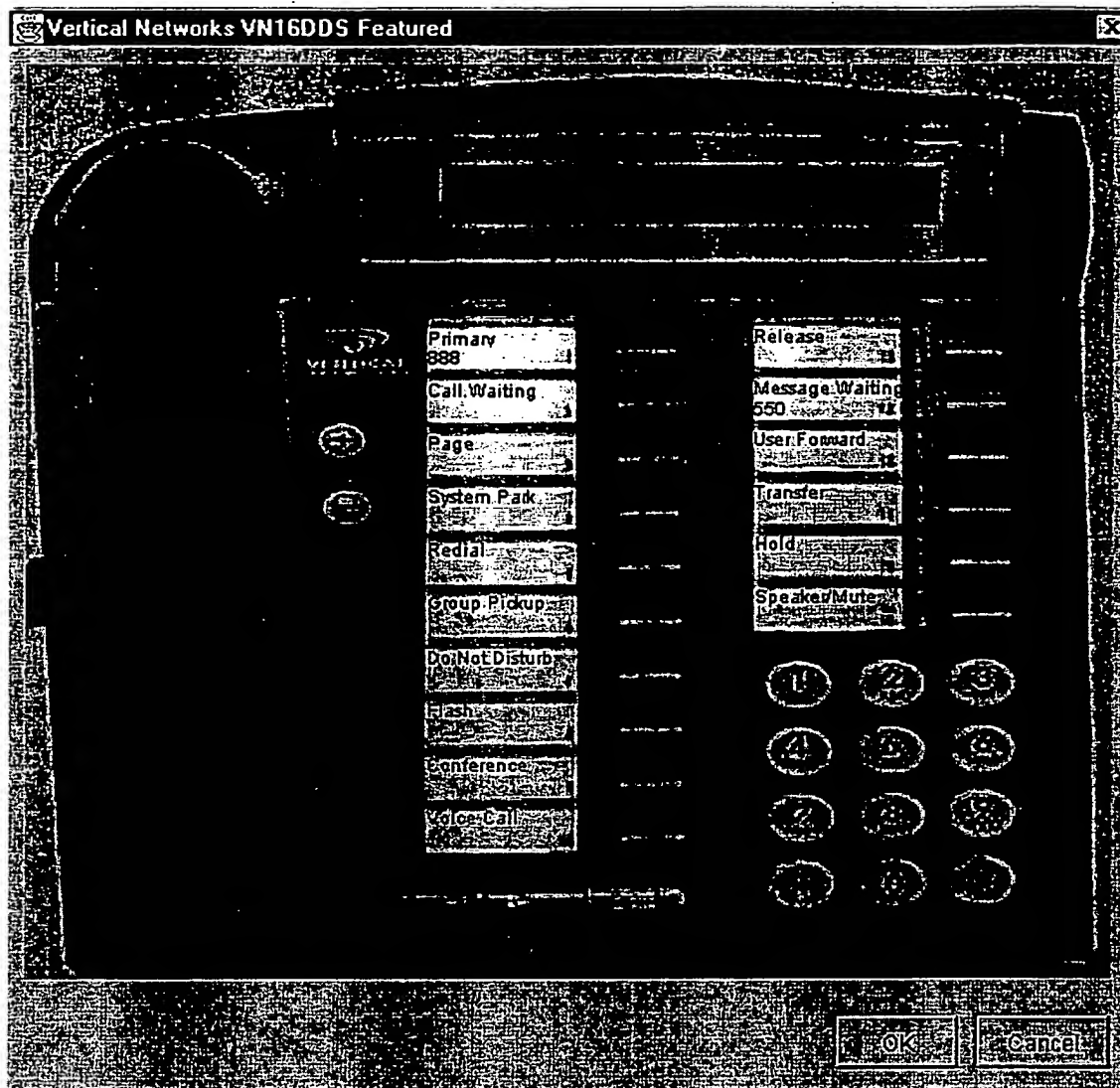


FIG. 33

518

03040401-02250-050401

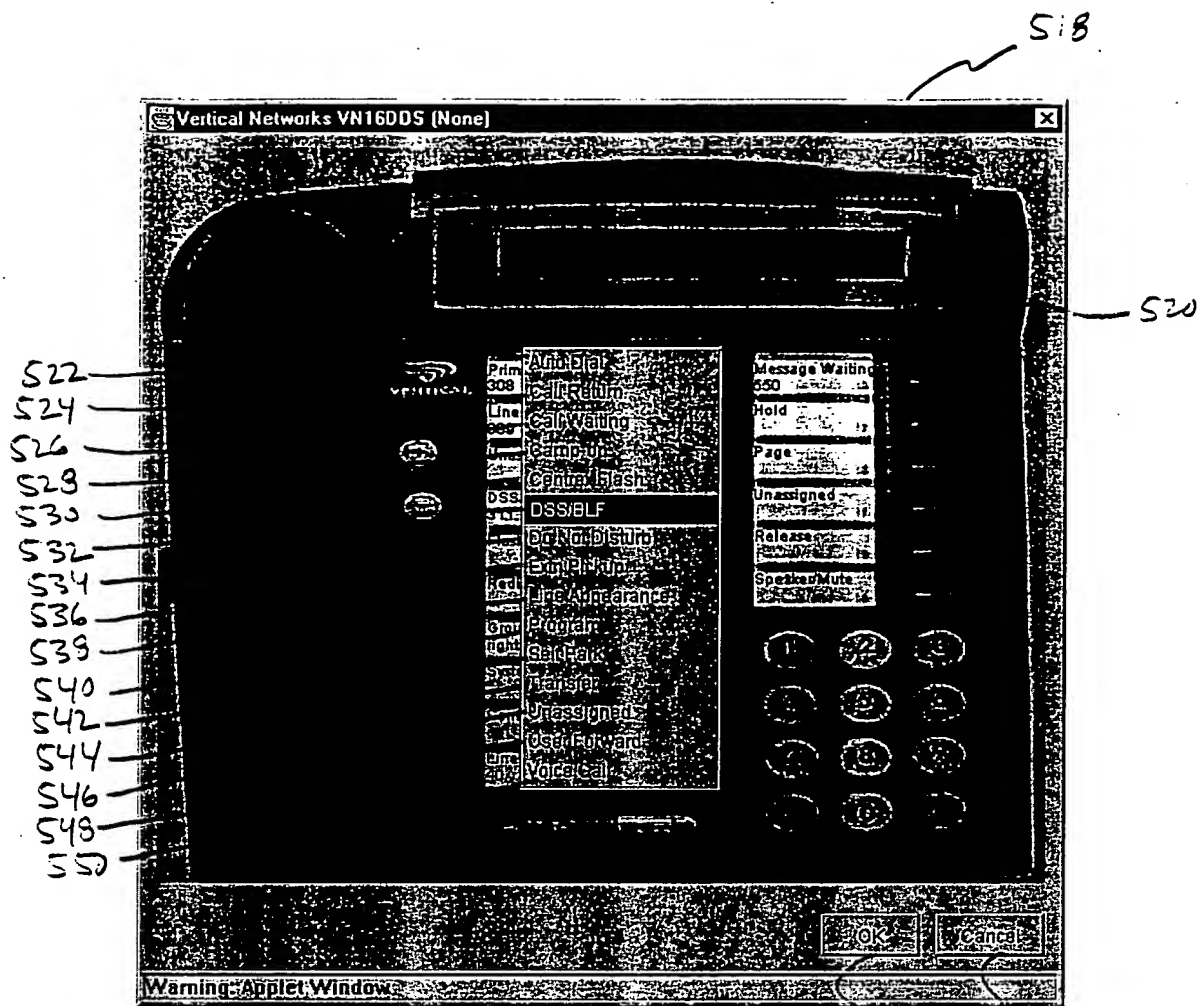


FIG. 34

0044932 050401

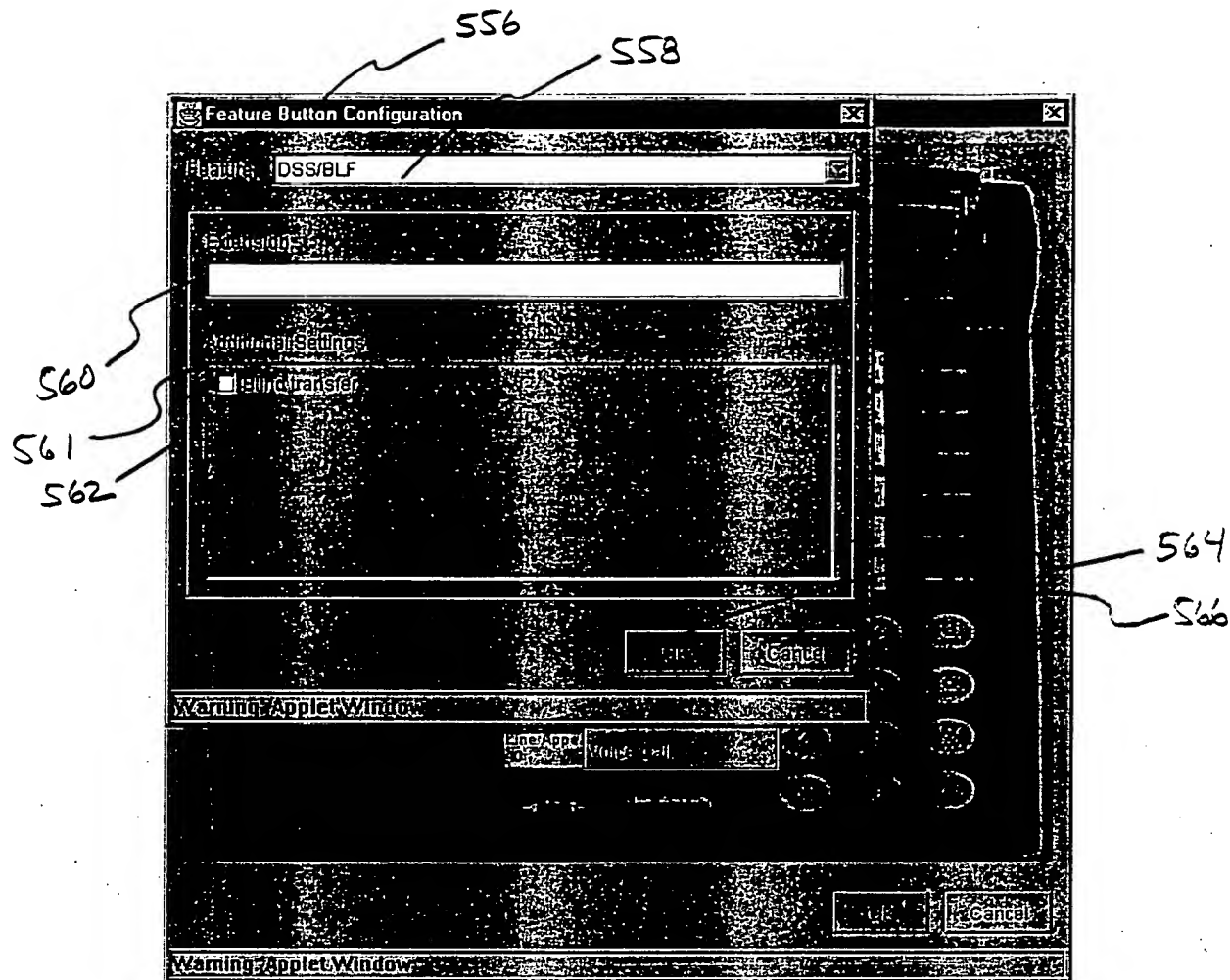


FIG. 35

561

Feature Button Configuration

Feature: **Primary**

Telephone Number:

Additional Settings:

- ☐ Do not ring the telephone
- ☐ Do not receive paging
- ☐ Do not ring
- ☒ Mute the ring of phone when voice calls are received

OK Cancel

FIG. 36

FIG. 37

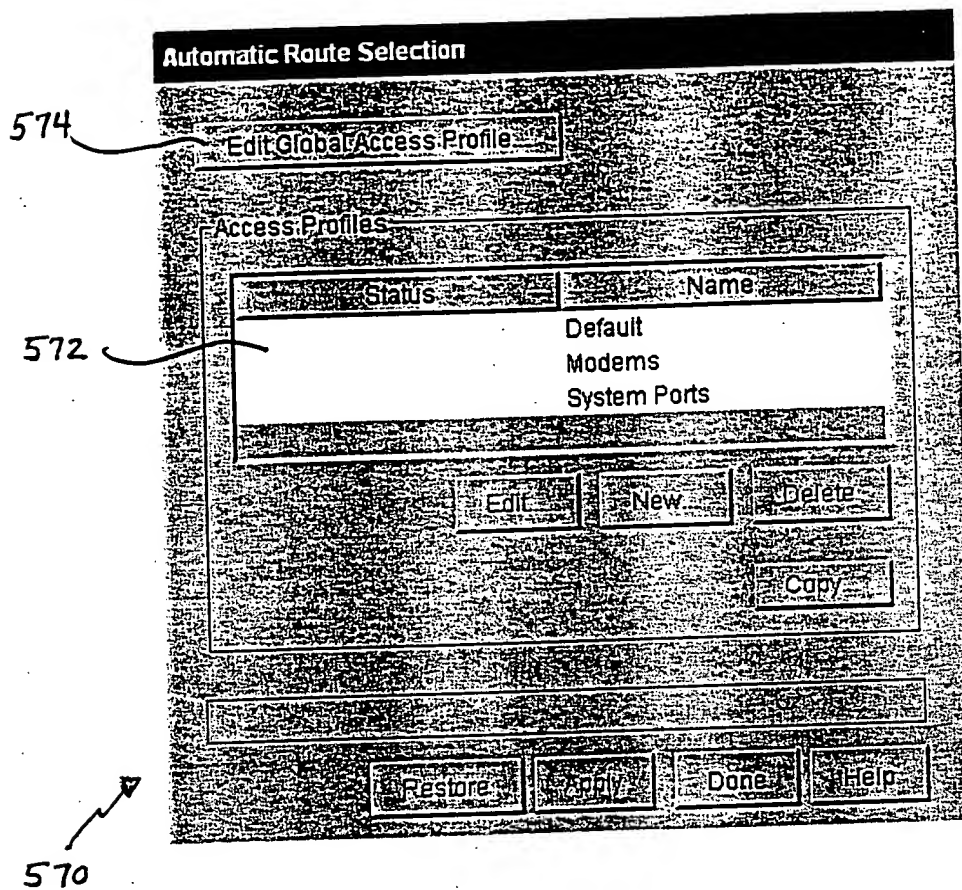


FIG. 37

104050" 92E64860

Global Access Profile

Area Code Table Off-Premise Extension Table Special Digits Table

Initial Digits	Routing Table	Intercept Target
911	Route 2	
5853204	Intercepted -->	550
	Intercepted -->	
	Blocked	
	Route 2	
	Route 1	
	(New Routing Table)	

Edit Routing Table New Delete

OK Cancel

Fig. 38A

09849326.050401

Access Profile

Name:

Area Code Table | Trunk Group | Access Codes

Area Code	Area Code Range	Routing Table
212	Default	Local Calls
408	Default	Acme West
Default	Default	*Blocked*
		Blocked
		Acme West
		3xx Offpremise
		Modems Route
		Local Calls
		(New Routing Table)

Warning: Applet Window

FIG. 388

104050" 9254860

Global Access Profile

Area Code Table Off-Premise Extension Table Special Digits Table

Extension Range	Routing Table
300 - 399	3xx Offpremise

Edit Routing Table New Delete

OK Cancel

Warning: Applet Window

FIG. 38c

0504050-9264860

Access Profile [X]

Name:

Area Code Table | Privileges | Trunk Group Access Codes

Area Code	Office Code Range	Routing Table
212	Default	Local Calls
408	Default	Acme West
Default	Default	*Blocked*
		Acme West
		3xx Offpremise
		Modems Route
		Local Calls
		(New Routing Table)

Warning: Applet Window

FIG. 39A

104050 92E64860

Access Profile [X]

Name:

Area Code Table | Privileges | Trunk Group Access Codes | **International (011) Routing Table**

Carrier Access Code Destination:

Warning: Applet Window

F16.398

0949326-050401
T04050" 92E6B60

Access Profile [X]

Name:

Area Code Table | Privileges | Trunk Group Access Codes

Access Code	Permission Allowed
83	<input checked="" type="checkbox"/>
80	<input checked="" type="checkbox"/>
82	<input checked="" type="checkbox"/>
84	<input checked="" type="checkbox"/>
81	<input type="checkbox"/>

Warning: Applet Window

F16.39c

TD4050"92E64860

Routing Table [X]

Name: Local Calls

Step	Strip First n Digits	Keep Last n Digits	Prepend n Digits	Postpend n Digits	Destination	Service Code
1		3			T1 Interface...	Default
2	0				T1 Interface...	Custom
3	0		9		Voice An...	N/A

Testing
T1 Interface 1
T1 Interface 2
Modems
DID Digital
DID Analog
Voice Digital
Voice Analog

[New] [Delete]

[OK] [Cancel]

Warning: Applet Window

F16.40

First Digit Table

First Digits: Local Area Codes

Digit Type: External

Additional Settings

One-Digit Two-Digit

Access Code	Routing	Collect Digits	Dialtone
80	T1 Interface 1	3	<input checked="" type="checkbox"/>
81	T1 Interface 2	5	<input checked="" type="checkbox"/>
82	Voice Digital	4	<input checked="" type="checkbox"/>
83	Voice Analog	24	<input checked="" type="checkbox"/>
84	Outbound Routing	NANP	<input checked="" type="checkbox"/>
85	Testing	NANP	<input checked="" type="checkbox"/>
86	Not Configured	5	<input checked="" type="checkbox"/>
87	Not Configured	6	<input checked="" type="checkbox"/>
88	Not Configured	7	<input checked="" type="checkbox"/>
89	Not Configured	8	<input checked="" type="checkbox"/>
		9	
		10	
		11	
		12	

Restore Apply Done Help

FIG. 41

First Digit Table

First Digits	Local Area Codes
	<div>Local Area Codes</div> <div><input type="text"/> <input type="button" value="Add"/> <input type="button" value="Remove"/></div> <div>1212 212</div>
Home Area Code	212 <input type="button" value="E"/>

FIG. 42

09849326-050401

General Settings

Voice Mail (Limits)	Voice Mail (Interaction)	Fault Monitor
System	PBX	PBX (Advanced)

Audio

☒ Enable Music On Hold

☒ Enable Public Address

External Caller ID

Prefix Digits: 4082337xxx

Default External Caller ID Format (for calls initiated by stations)

☐ Company Name and Main Number

☒ Station Name and Prefix Digits - Extension Number

☐ None

Restore Apply Done Help

F16-43A

Voice Trunk Group

Name: T1 Interface 1

Direction: ☐ In ☐ Out ☒ Both

Caller ID Format

☒ Send Internal Caller ID (as received in tandem calls)

☐ Send External Caller ID (as received in tandem calls)

☐ Send Company Main Number

☐ Do Not Send Caller ID

Hunt type

☒ Linear ☐ Circular

OK Cancel

Warning: Applet Window

FIG. 43b

0044925.050401

Configure Station [X]

Extension:

Display Name:

Overview | **Features** | Forwarding | Pickup List

Card/Port: Port 1:

Access Profile:

Language:

☒ Attendant Phone

☐ Ring Down Hotline:

☐ Neither

External Caller ID

☒ Use the default as configured in General Settings

☐ Use this number:

☐ Append extensions to the default DID pattern

☐ Use the company's main number

☐ Send no information

[OK] [Cancel]

Warning: Applet Window

Fig. 43c

FOI b5 b7C b7D 92264860

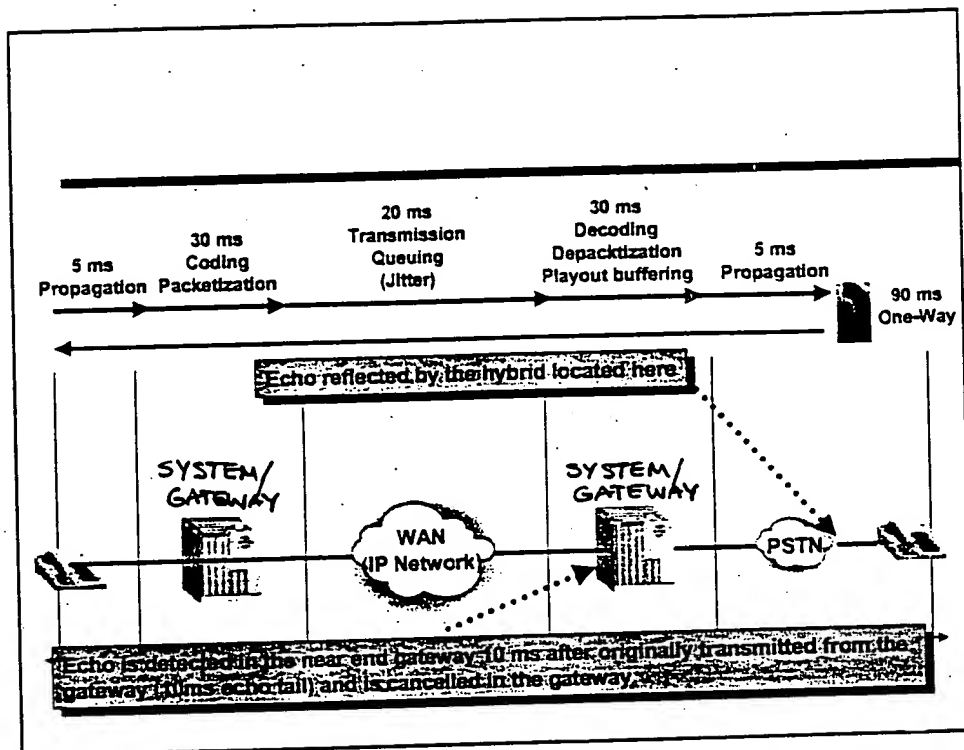
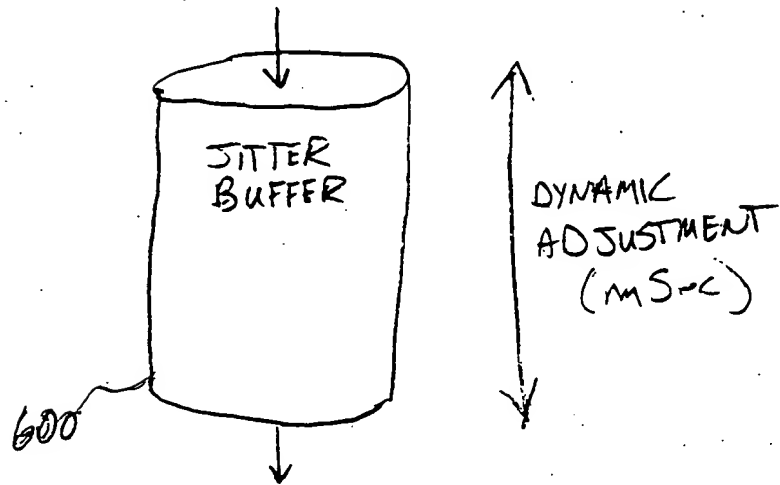


FIG. 44

UNPREDICTABLE RATE/SEQUENCE



CONSTANT RATE/SEQUENCE

FIG. 45

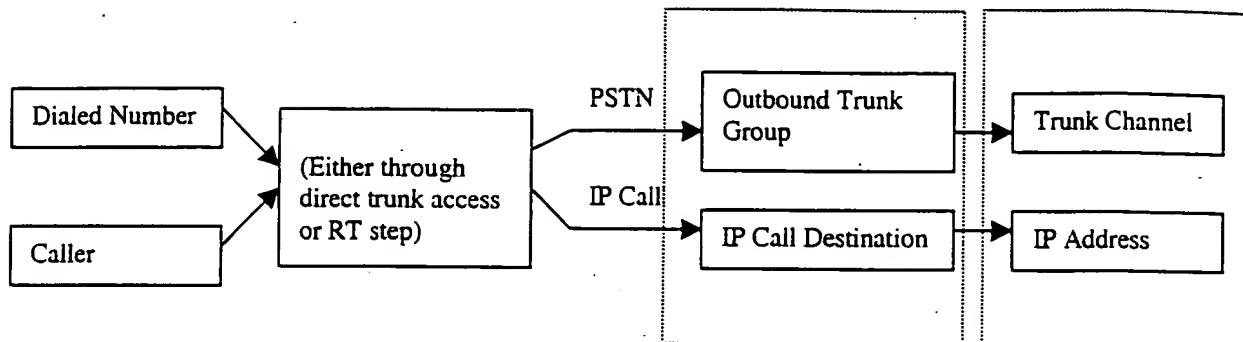


FIG. 46A

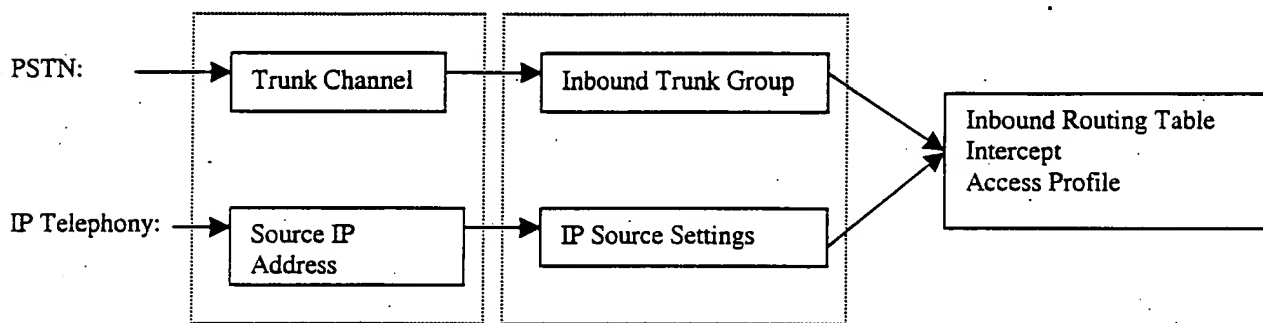


FIG. 46B

Step	Strip First n Digits	Keep Last n Digits	Prepend Digits	Postpend Digits	Destination	ISDN Settings	Up	Down
1	0				IP Mustang	N/A		
2	0				Voice Digital	N/A		
3	0				Voice Analog	N/A		

FIG. 46C

FIG. 46A

- Extension to extension (Uniform Dialing)
- Extension to external telephone (toll bypass)
- - External telephone to extension

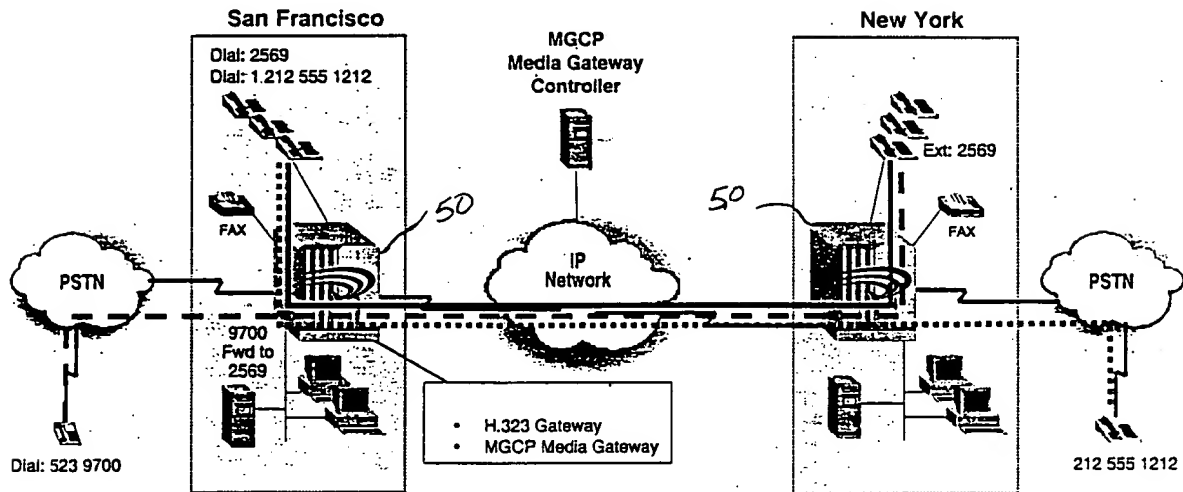


FIG. 47A

FOI b7D b7E b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z

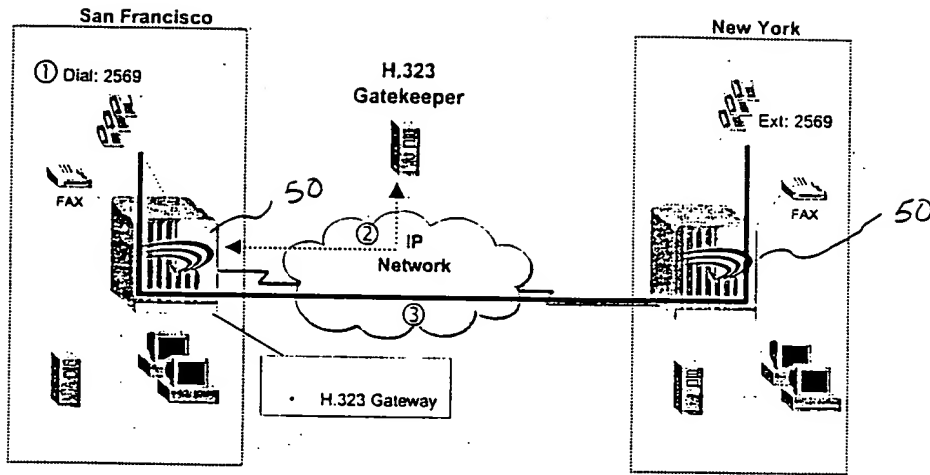


FIG. 47B

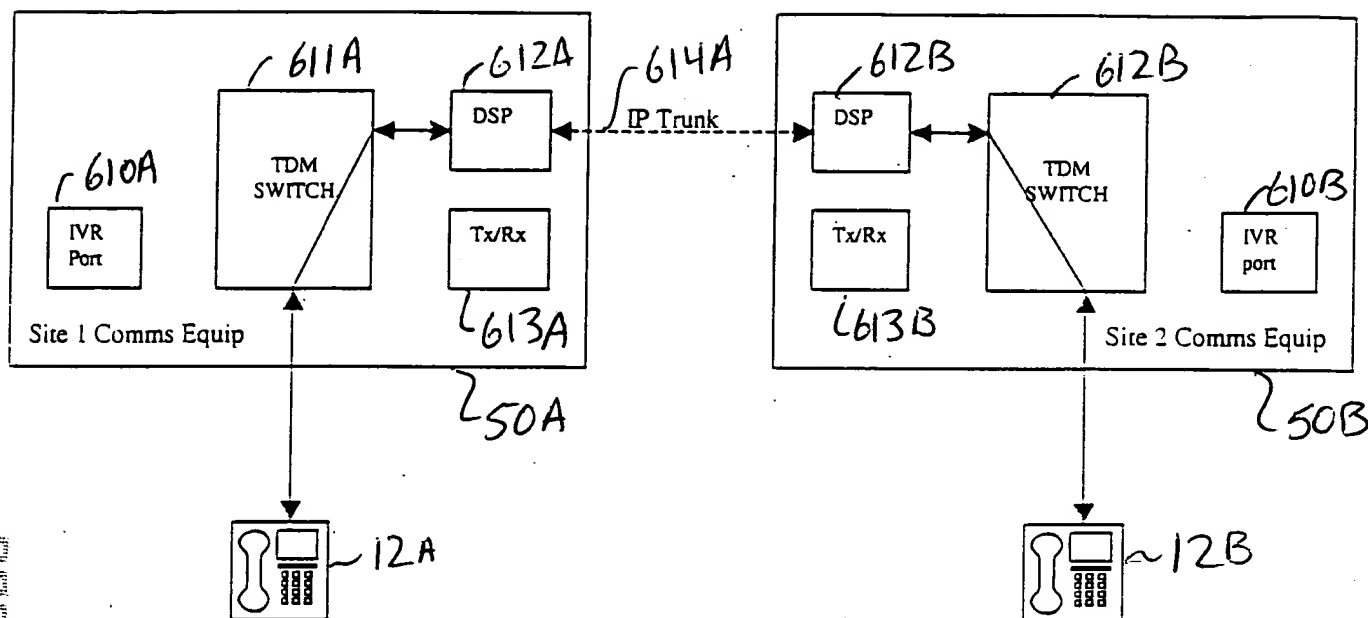


FIG. 48A

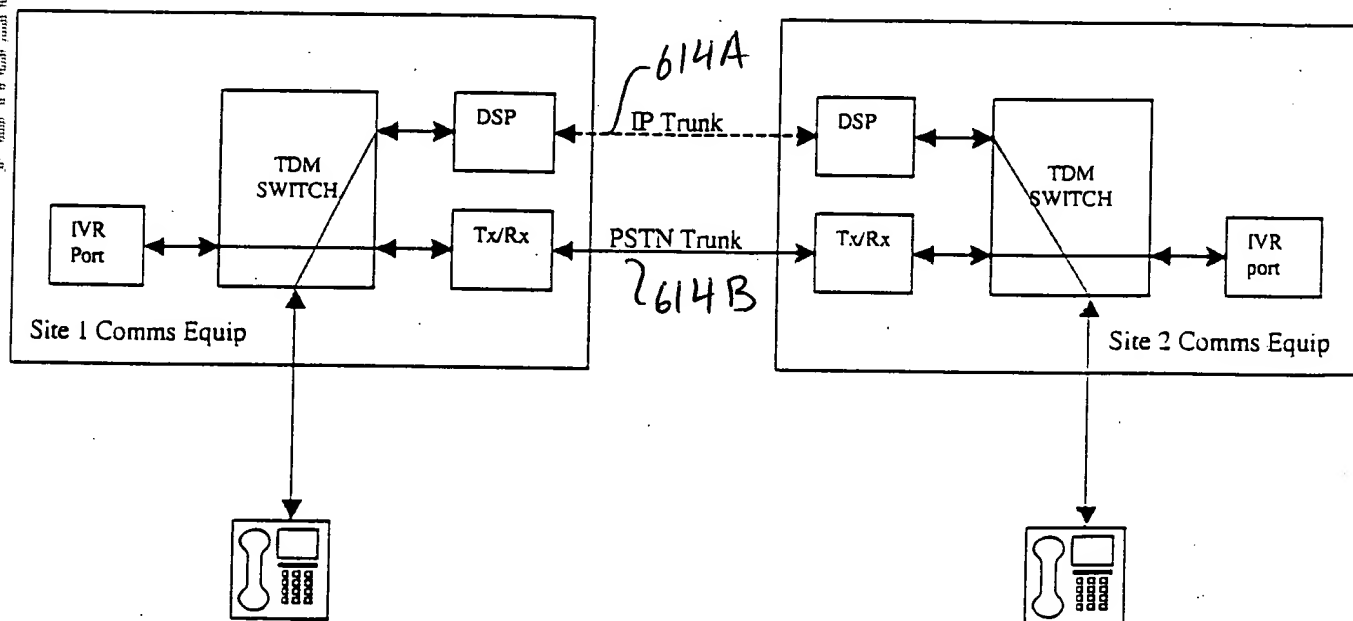


FIG. 48B

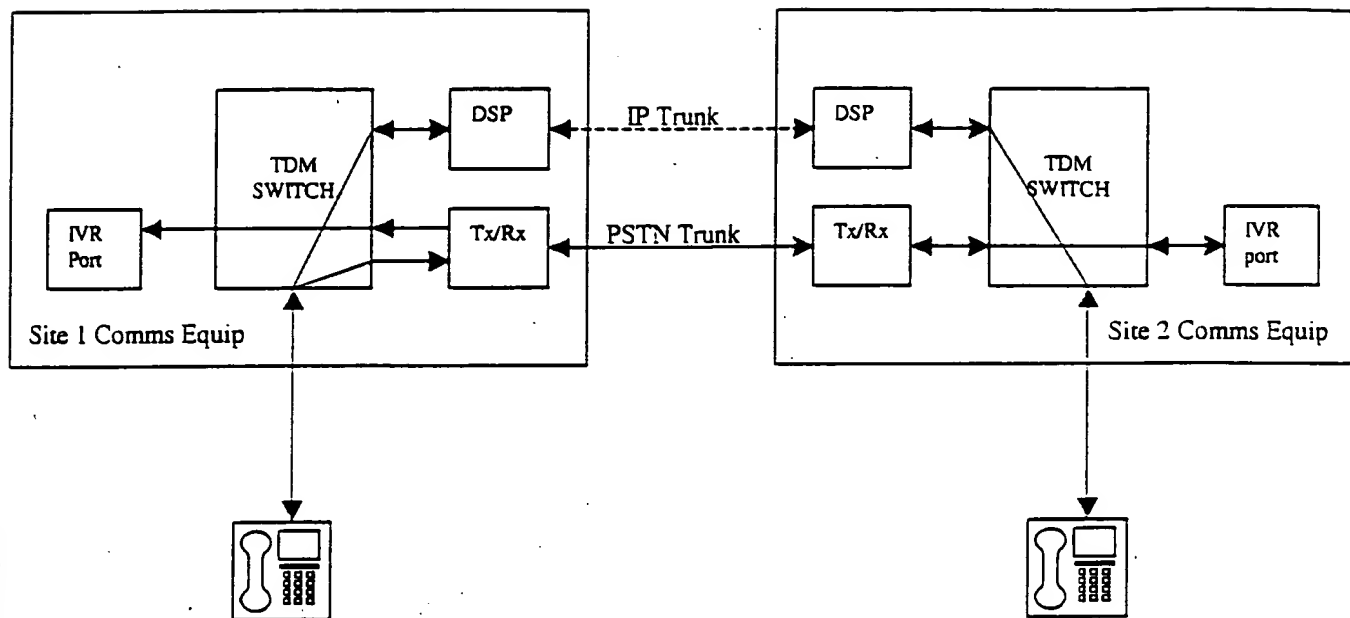


FIG. 48C

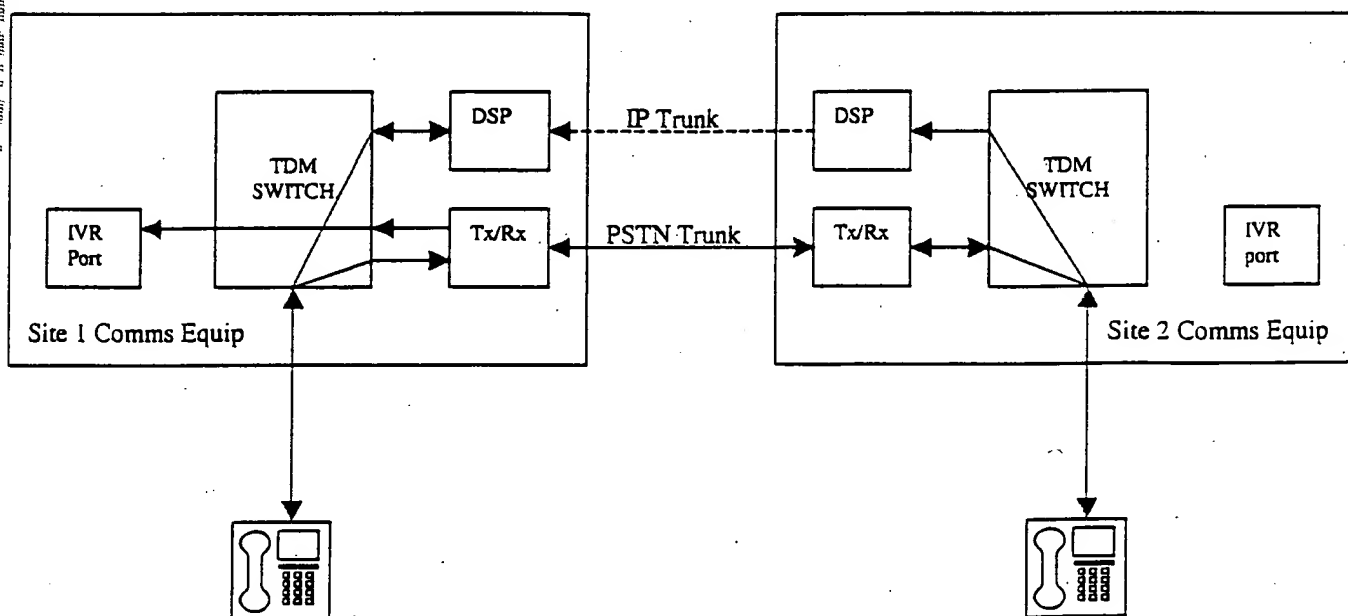


FIG. 48D

094936-050401

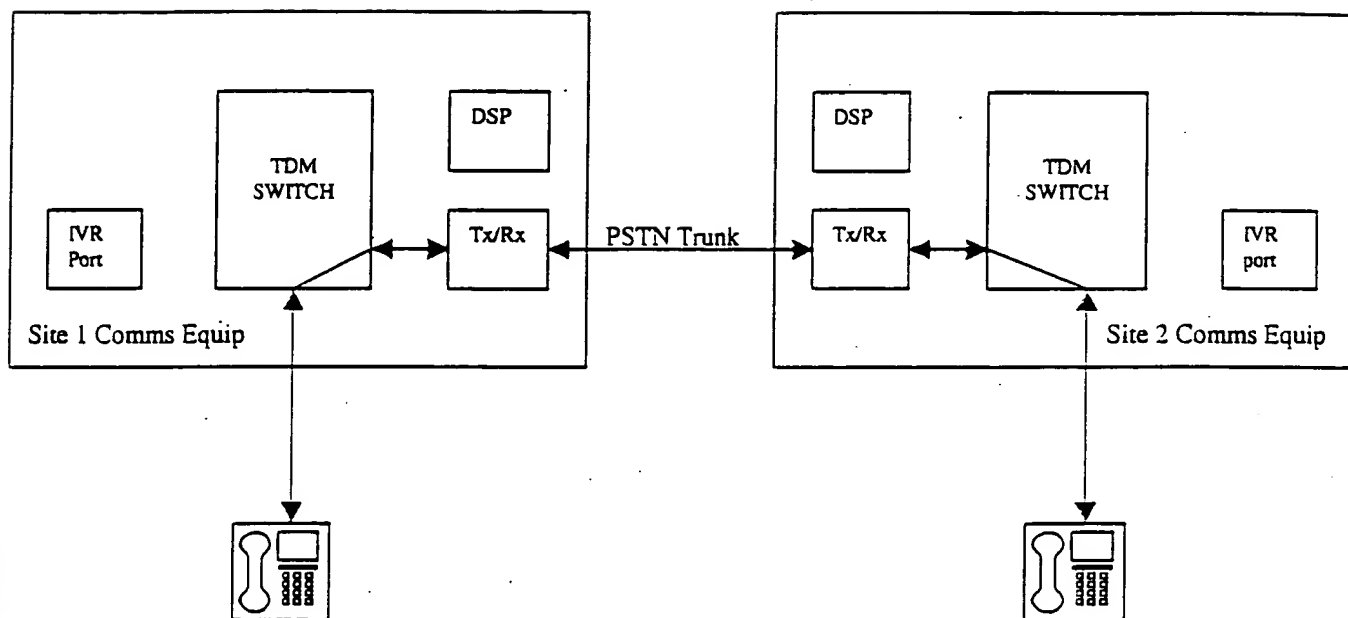
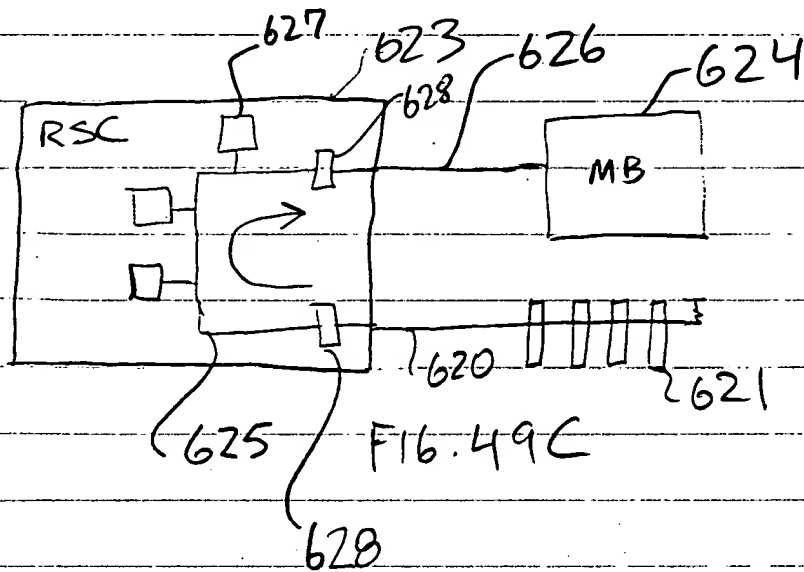
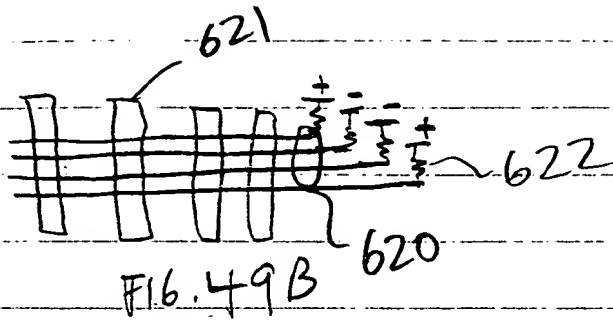


FIG. 48E



RTC

header
type
checksum
XX

FIG. 49A

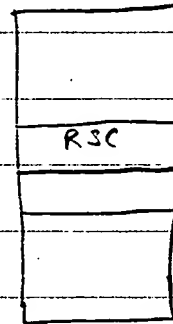


FIG. 49D